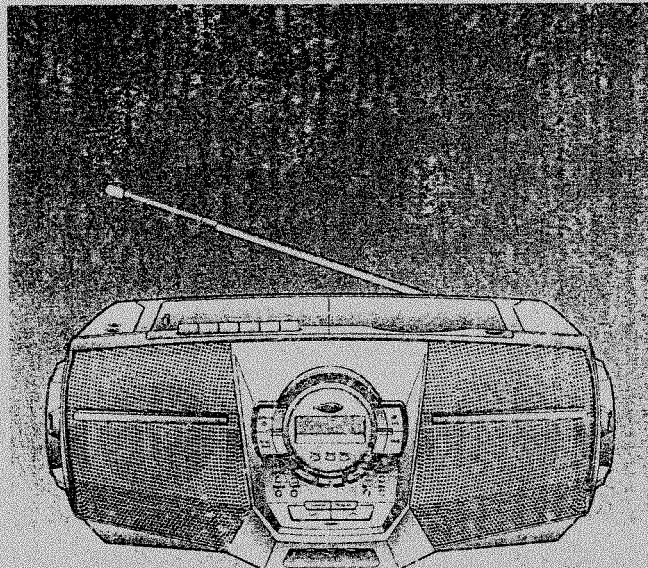


SERV. 31831



RADIO CASSETTE RECORDER  
CD PLAYER  
RCD-M50/M55/M50B/M55G

# ***SERVICE Manual***



- 1. Alignment and Adjustments**
- 2. Disassembly and Reassembly**
- 3. Exploded Views and Parts List**
- 4. Electrical Parts List**
- 5. Block Diagrams**
- 6. PCB Diagrams**
- 7. Wiring Diagram**
- 8. Schematic Diagrams**

## 1. Precautions

Follow these safety, servicing and ESD precautions to prevent damage and protect against potential hazards such as electrical shock and X-rays.

### 1-1 Safety Precautions

1. Be sure that all of the built-in protective devices are replaced.
2. When reinstalling the chassis and its assemblies, be sure to restore all protective devices, including control knobs and compartment covers.
3. Make sure that there are no cabinet openings through which people--particularly children--might insert fingers and contact dangerous voltages. Such openings include the spacing between the picture tube and the cabinet mask, excessively wide cabinet ventilation slots, and improperly fitted back covers.
4. Design Alteration Warning: Never alter or add to the mechanical or electrical design of the unit. Example: Do not add auxiliary audio or video connectors. Such alterations might create a safety hazard. Also, any design changes or additions will void the manufacturer's warranty.
5. Leakage Current Hot Check (Figure 1-1):

**Warning:** Do not use an isolation transformer during this test. Use a leakage-current tester or a metering system that complies with American National Standards Institute (ANSI C101.1, *Leakage Current for Appliances*), and Underwriters Laboratories (UL Publication UL1410, 59.7).

With the unit completely reassembled, plug the AC line cord directly into a 120V AC outlet. With the unit's AC switch first in the ON position and then OFF, measure the current between a known earth ground (metal water pipe, etc.) and all exposed metal parts. Examples: Handle brackets, metal cabinets, screwheads and control shafts. The current measured should not exceed 0.5 milliamp. Reverse the power-plug prongs in the AC outlet and repeat.

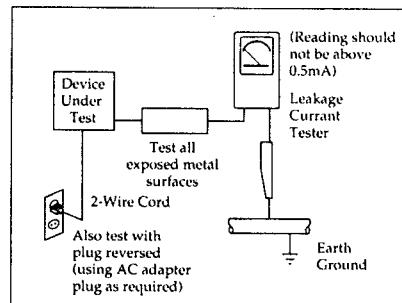


Fig. 1-1 AC Leakage Test

6. Insulation Resistance Cold Check: (1) With the unit's AC plug disconnected from the AC source, connect an electrical jumper across the two AC prongs. (2) Set the power switch to ON. (3) Measure the resistance between the shorted AC plug and any exposed metallic parts. Example: Screwheads, antenna, control shafts or handle brackets.

If any of the exposed metallic parts has a return path to the chassis, the measured resistance should be between 1 and 5.2 megohms. If there is no return path, the measured resistance should be "infinite." If the resistance is outside these limits, a shock hazard might exist. See Figure 1-2

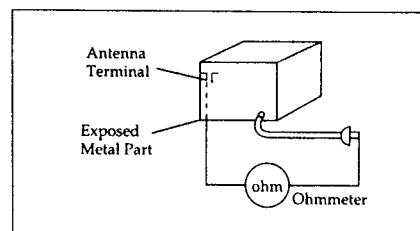


Fig. 1-2 Insulation Resistance Test

## Precautions

### 1-1 Safety Precautions (Continued)

7. Components, parts and wiring that appear to have overheated or that are otherwise damaged should be replaced with parts that meet the original specifications. Always determine the cause of damage or overheating, and correct any potential hazards
8. Observe the original lead dress, especially near the following areas: Antenna wiring, sharp edges, and especially the AC and high voltage power supplies. Always inspect for pinched, out-of-place, or frayed wiring. Do not change the spacing between components and the printed circuit board. Check the AC power cord for damage. Make sure that no wires or components touch thermally hot parts.
9. Product Safety Notice: Some electrical and mechanical parts have special safety-related characteristics which might not be obvious from visual inspection. These safety features and the protection they give might be lost if the replacement component differs from the original—even if the replacement is rated for higher voltage, wattage, etc.
- 10 Components that are critical for safety are indicated in the circuit diagram by shading, or . Use replacement components that have the same ratings, especially for flame resistance and dielectric strength specifications. A replacement part that does not have the same safety characteristics as the original might create shock, fire or other hazards.

## 1-2 Servicing Precautions

**Warning!** First read the "Safety Precautions" section of this manual. If some unforeseen circumstance creates a conflict between the servicing and safety precautions, always follow the safety precautions.

1. Servicing precautions are printed on the cabinet. Follow them.
2. Always unplug the unit's AC power cord from the AC power source before attempting to: (a) Remove or reinstall any component or assembly, (b) Disconnect an electrical plug or connector, (c) Connect a test component in parallel with an electrolytic capacitor.
3. Some components are raised above the printed circuit board for safety. An insulation tube or tape is sometimes used. The internal wiring may be clamped to prevent contact with thermally hot components. Reinstall all such elements to their original position.
4. After servicing, always check that the screws, components and wiring have been correctly reinstalled. Make sure that the portion around the serviced part has not been damaged.
5. Check the insulation between the blades of the AC plug and accessible conductive parts (examples: metal panels, input terminals and earphone jacks).
6. Insulation Checking Procedure: Disconnect the power cord from the AC source and turn the power switch ON. Connect an insulation resistance meter (500V) to the blades of the AC plug.

The insulation resistance between each blade of the AC plug and accessible conductive parts (see above) should be greater than 1 megohm.

7. Never defeat any of the B+ voltage interlocks. Do not apply AC power to the unit (or any of its assemblies) unless all solid-state heat sinks are correctly installed.
8. Always connect a test instrument's ground lead to the instrument chassis ground before connecting the positive lead; always remove the instrument's ground lead last.

## 1-3 Precautions for Electrostatically Sensitive Devices (ESDs)

Precautions

1. Some semiconductor ("solid state") devices are easily damaged by static electricity. Such components are called Electrostatically Sensitive Devices (ESDs). Examples include integrated circuits and some field-effect transistors. The following techniques will reduce the occurrence of component damage caused by static electricity.
2. Immediately before handling any semiconductor components or assemblies, drain the electrostatic charge from your body by touching a known earth ground. Alternatively, wear a discharging wrist-strap device. (Be sure to remove it prior to applying power--this is an electric shock precaution.)
3. After removing an ESD-equipped assembly, place it on a conductive surface such as aluminum foil to prevent accumulation of electrostatic charge.
4. Do not use freon-propelled chemicals. These can generate electrical charges that damage ESDs.
5. Use only a grounded-tip soldering iron when soldering or unsoldering ESDs.
6. Use only an anti-static solder removal device. Many solder removal devices are not rated as "anti-static" (these can accumulate sufficient electrical charge to damage ESDs).
7. Do not remove a replacement ESD from its protective package until you are ready to install it. Most replacement ESDs are packaged with leads that are electrically shorted together by conductive foam, aluminum foil or other conductive materials.
8. Immediately before removing the protective material from the leads of a replacement ESD, touch the protective material to the chassis or circuit assembly into which the device will be installed.
9. Minimize body motions when handling unpackaged replacement ESDs. Motions such as brushing clothes together, or lifting a foot from a carpeted floor can generate enough static electricity to damage an ESD.

## 1-4 Special Precautions and Warning Labels for Laser Products

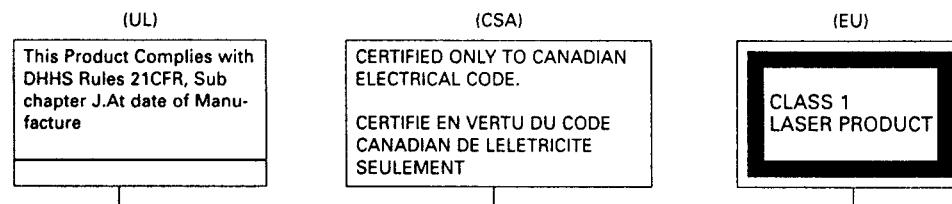


Fig. 1-3 Warning Labels (Location: Enclosure Block)

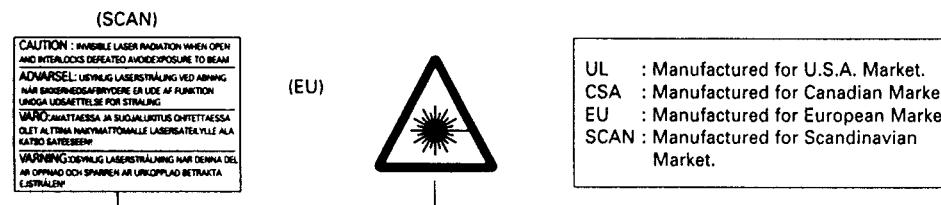


Fig. 1-4 Warning Labels (Location: Disc Clamper, Inner Side of Unit Door or Nearby Unit Chassis)

## 1-4 Special Precautions and Warning Labels for Laser Products (Continued)

### 1-4-1 Warnings

1. When servicing, do not approach the LASER exit with the eye too closely. In case it is necessary to confirm LASER beam emission, be sure to observe from a distance of more than 30 cm from the surface of the objective lens on the optical pick-up block.

2. Do not attempt to handle the objective lens when the DISC is not on the tray.

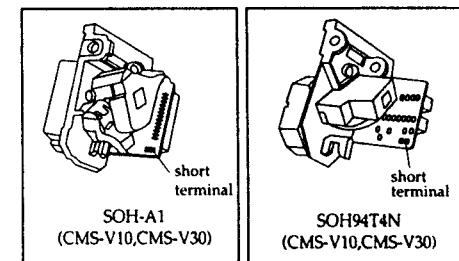
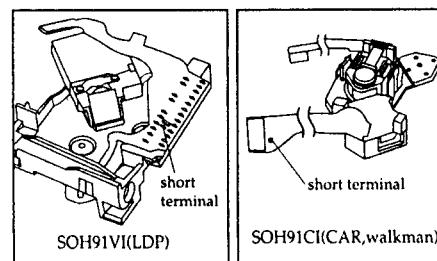
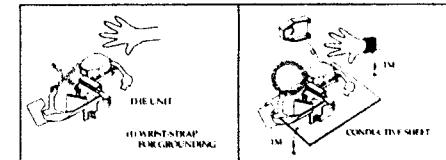
### 1-4-2 Laser Diode Specifications

Material: GaAs+ GaAlAs  
Wavelength: 760-800 nm  
Emission Duration: Continuous

Laser Output: 0.2 mw (measured at a 1.6 mm distance from the objective lens surface on the optical pick-up block.)

### 1-4-3 Handling the Optical Pick-up

1. Static electricity from clothing or the body may cause electrostatic breakdown of the laser diode in the Optical Pickup. Follow this procedure:
2. Place a conductive sheet on the work bench (i.e., the black sheet used for wrapping repair parts.) Note: The surface of the work bench should be covered by a copper ground plane, which is grounded.
3. The repair technician must wear a wrist strap which is grounded to the copper sheet.
4. To remove the Optical Pickup block: Place the set on the conductive sheet, and momentarily touch the conductive sheet with both hands. (While working, do not allow any electrostatic sources--such as clothes--to touch the unit.)
5. Ground the "Short Terminal" (located on the PCB, inside the Pickup Assembly) before replacing the Pickup. This terminal should be shorted whenever the Pickup Assembly is lifted or moved.
6. After replacing the Pickup, reopen the Short Terminal. See diagrams below:



# 1. Alignment and Adjustments

## 1-1 Instruction

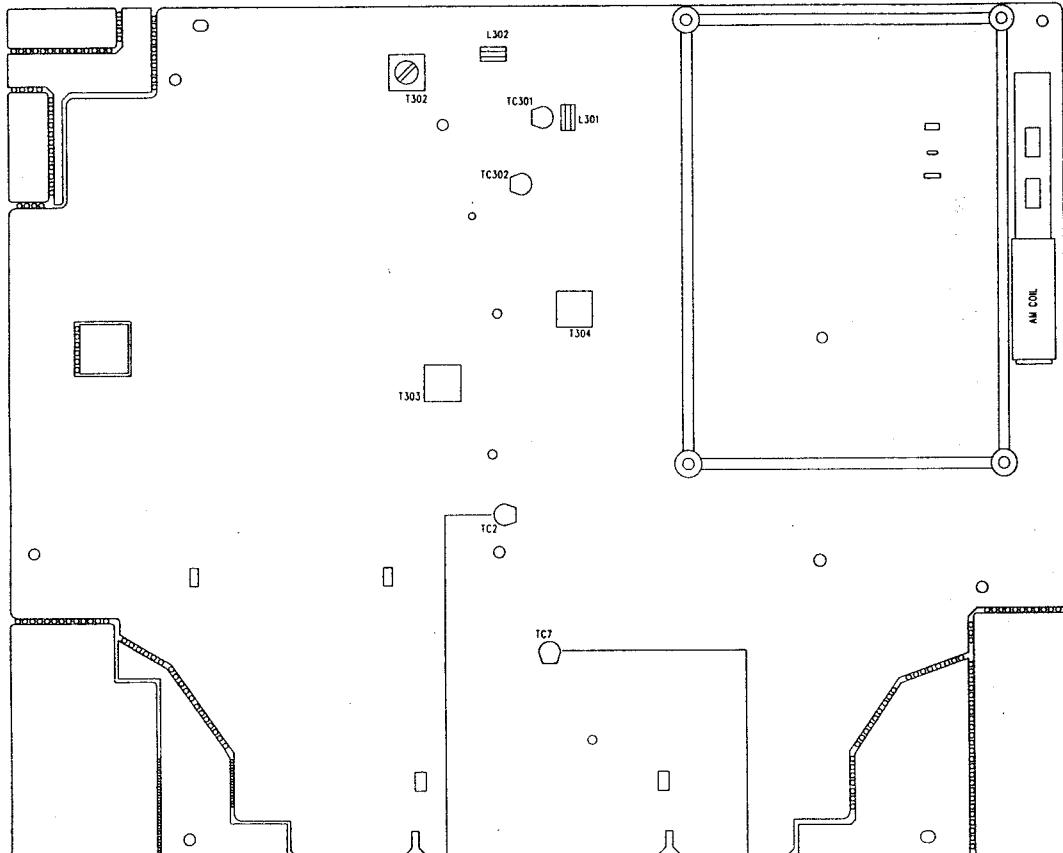
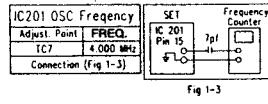
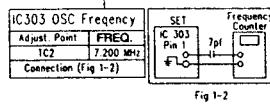


Fig 1-1 Location Of Adjustment Point



### 1-1-1 Test Equipment

- 1. AM/FM Standard Signal Generator (S.S.G)
  - AM : 1KHz,30% MOD
  - FM : 1KHz,75KHz(Deviation)
- 2. Oscilloscope
- 3. VTVM
- 4. Frequency counter
- 5. Loop antenna
- 6. Dummy load (4 $\Omega$ )
- 7. DIGITAL DC voltmeter
- 8. FM Stereo Modulator
- 9. FM/AM IF Generator : 10.7MHz,455KHz

### 1-1-2 Pre-Adjustment

1. Check the source voltage
2. Select desired Band and Function.
3. Set the S.BASS control and PRE-EQ to off position.
4. Set volume control to approximately 50mW(4 $\Omega$ )

### 1-2 Tuner Section

#### 1-2-1 FM Adjustment

Step	Item	Connection	SSG.FREQ.	FREQ. Setting	Adjust. Point	Remark
1	Intermediate frequency (IF) adjustment	Fig 1-4	10.7 MHz	Tune to the lowest	FM IFT : T302	Maximum output
2	FM frequency coverage adjustment	Fig 1-5	87.5 MHz	Tune to the lowest	Check	1.1V
3			108 MHz	Tune to the highest	OSC COIL : L302	6.0V
4	FM tracking adjustment	Fig 1-6	90 MHz	90 MHz	L301	Maximum output
5			106 MHz	106 MHz	TC301	Maximum output
6	Stereo separation adjustment	Fig 1-3 Connect Stereo generator to S.S.G additionally	98 MHz	98 MHz	Not required	

FM IF OUTPUT : PIN NO. 19 of IC 302(TA8132AN) – Reference next page (FIG 1-4)

IF GENERATOR

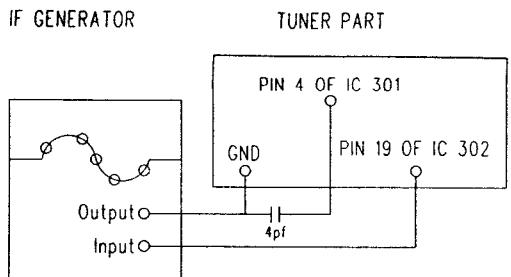


Fig 1-4

TUNER PART

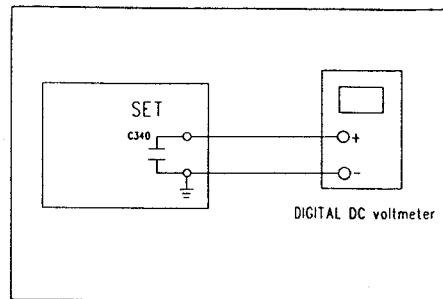


Fig 1-5

1-2-2 AM Adjustment(2BAND)

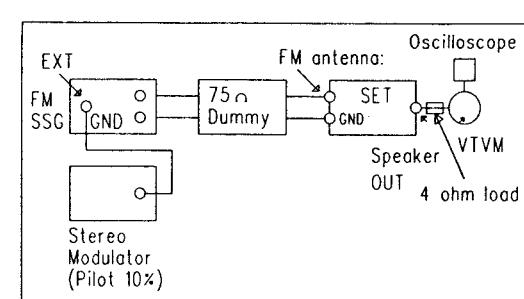


Fig 1-6

Step	Item	Connection	SSG.FREQ.	FREQ. Setting	Adjust. Point	Remark
1	Intermediate frequency (IF) adjustment	Fig 1-7	450 KHz	Tune to the lowest	AM IFT : T303	Maximum output
2	AM frequency coverage adjustment	Fig 1-5	522 KHz	Tune to the lowest	Check	0.8V
3			1622 KHz	Tune to the highest	OSC COIL : T304	7.0 V
4	AM tracking adjustment	Fig 1-8	594 KHz	594 KHz	AM ANT COIL	Maximum output
5			1404 KHz	1404 KHz	TRIMMER : TC302	Maximum output

AM IF OUTPUT : PIN NO. 6 of IC302(TA8132AN)

IF GENERATOR

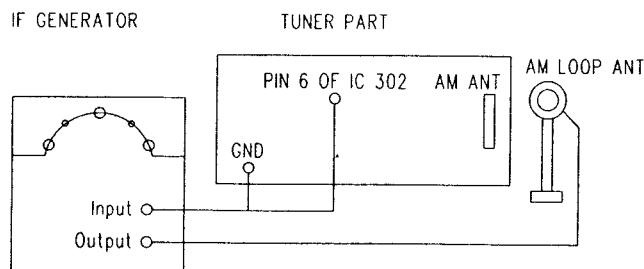


Fig 1-7

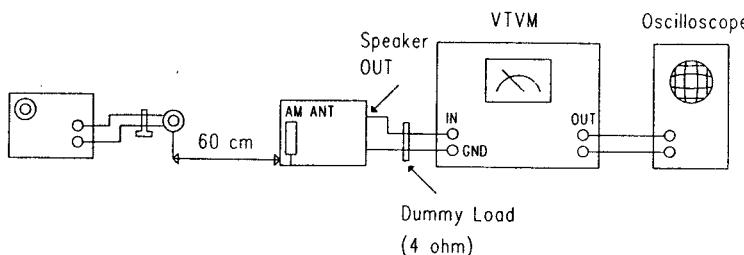


Fig 1-8

**1-3. Deck Section****1-3-1. Recording BIAS adjustment**

- 1) Connect frequency counter C701 (See Fig.1-9) and press the Record button.
- 2) Adjust T701 (BIAS OSC COIL) until frequency counter reads 80KHz

**1-3-2. Tape AZIMUTH adjustment**

- 1) Connect the equipments as per Fig.1-10 to adjust the tape azimuth with test tape (recorded at 6.3KHz : MTT-113N)
- 2) Play the test tape after inserting in DECK.
- 3) Adjust the azimuth adjustment screw of left side of record/play head for maximum output and for the same channel phase.(see Fig.1-10)

**1-3-3. Tape speed adjustment**

- 1) Connect the equipments as shown in Fig.1-11 adjust the tape speed with test tape (recorded at 3KHz : MTT-111N)

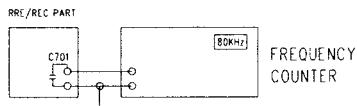


Fig.1-9 Recording bias adjustment

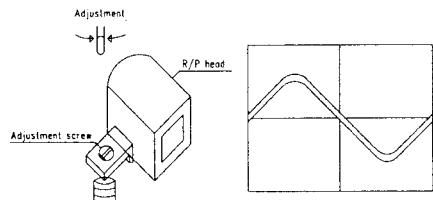


Fig.1-10 Azimuth speed adjustment

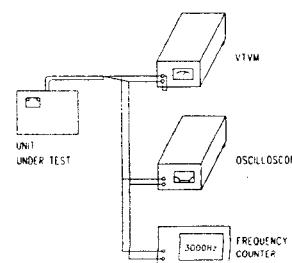
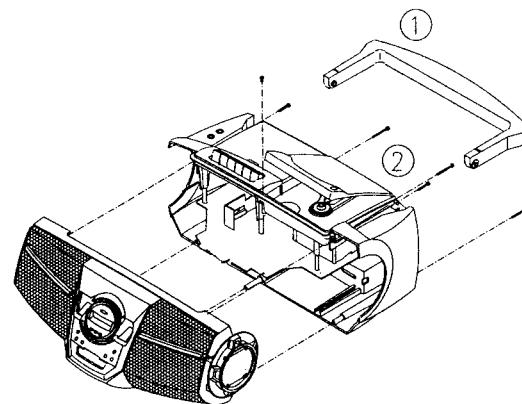


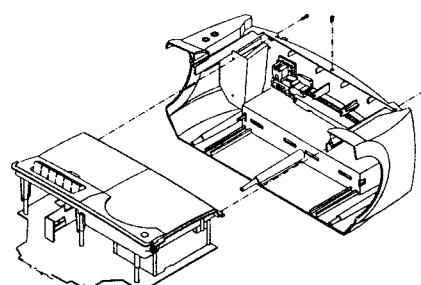
Fig.1-11

**2. Disassembly and Reassembly****2-1.FRONT CABINET**

1. REMOVE ① OF ITS HANDLE
2. REMOVE 6 SCREWS OF ② OF ITS REAR PART
3. REMOVE FRONT CABINET TO FRONTWARD

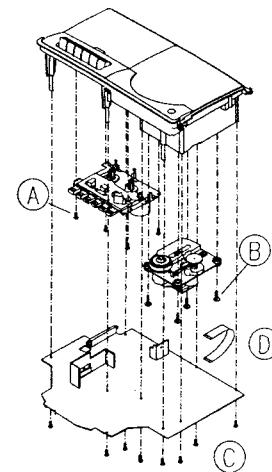
**2-2.TOP-CABINET ASS'Y**

1. REMOVE 3 SCREWS OF ITS REAR PART
2. REMOVE TOP CABINET ASS'Y TO FRONTWARD



### 2-3.MAIN-PCB ASS'Y & CD-MECHA ASS'Y AND CASS-MECHA ASS'Y

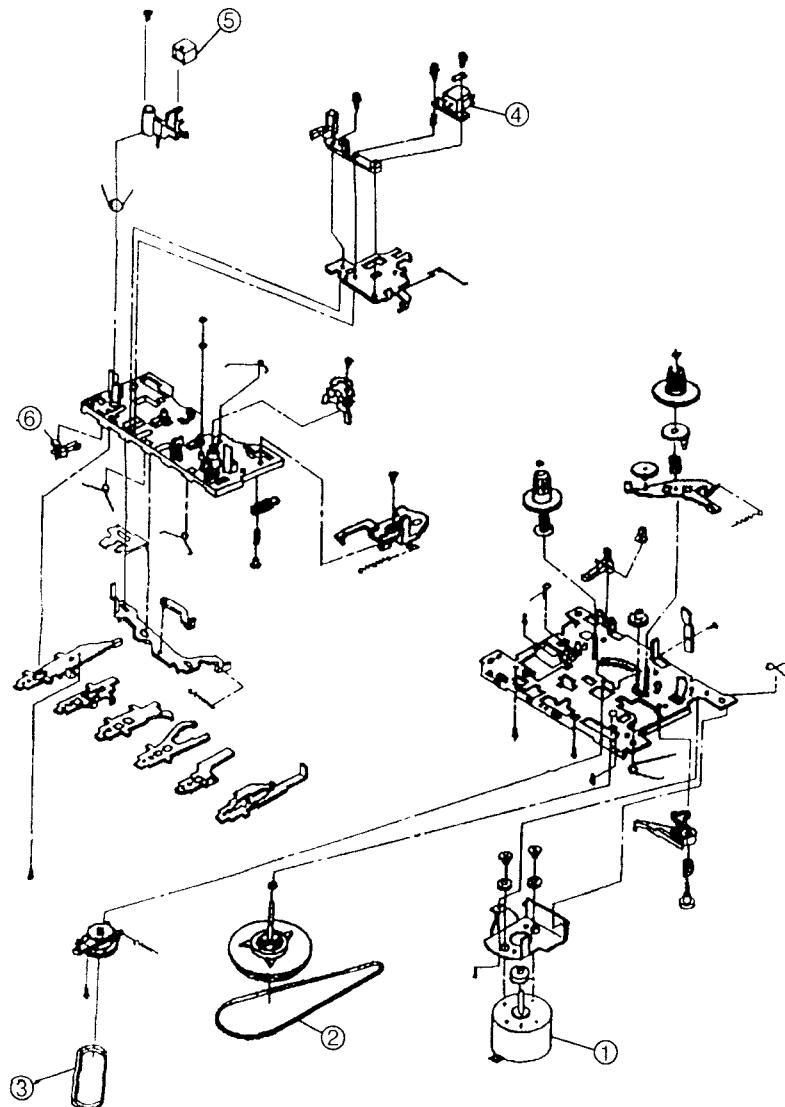
1. REMOVE 8 SCREWS OF ① ITS TOP-CABINET PART
2. REMOVE THE CONNECT WIRE OF ②, AND REMOVE MAIN-PCB ASS'Y TO BACKWARD
3. REMOVE 4 SCREWS OF ③ ITS TOP-CABINET PART, AND REMOVE CASS-MECHA ASS'Y TO BACKWARD
4. REMOVE 4 SCREWS OF ④ ITS TOP-CABINET PART, AND REMOVE CD-MECHA ASS'Y TO BACKWARD



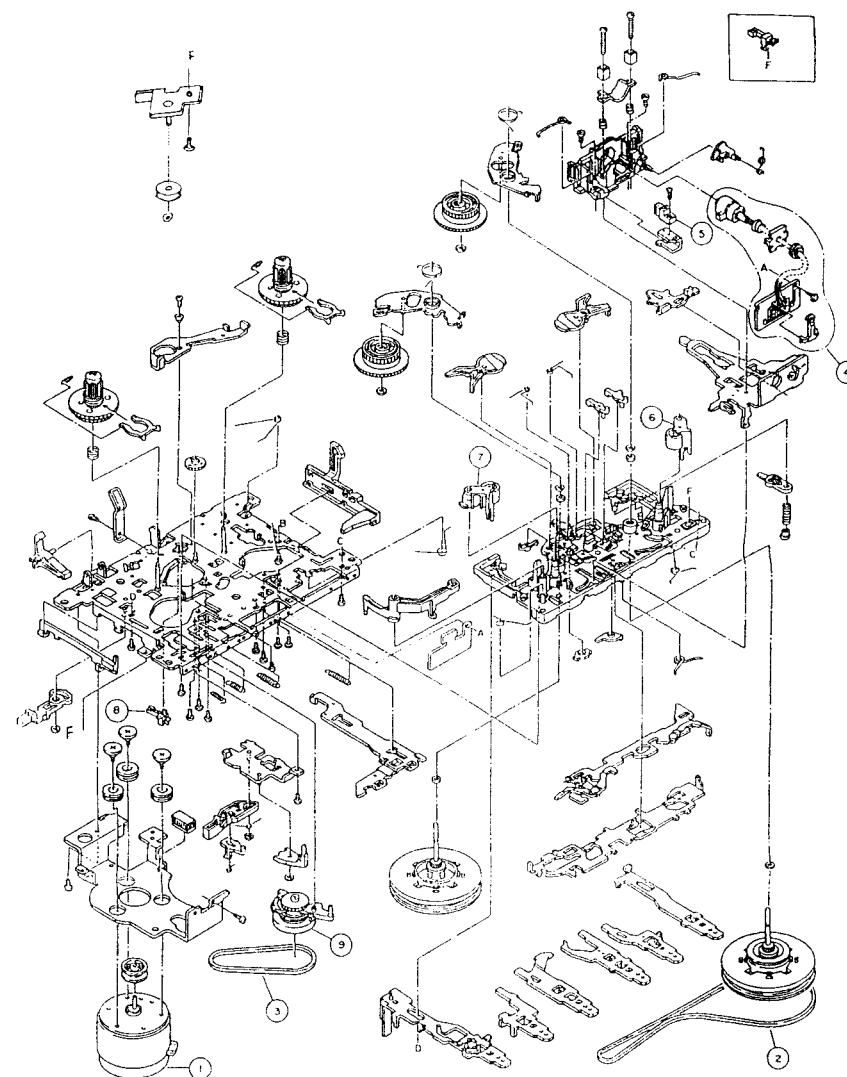
### 3.Exploded Views and Parts List

#### 3-1 Cassette Deck Exploded View and Parts List

3-1-1 AUTO STOP : RCD-M50/M50B



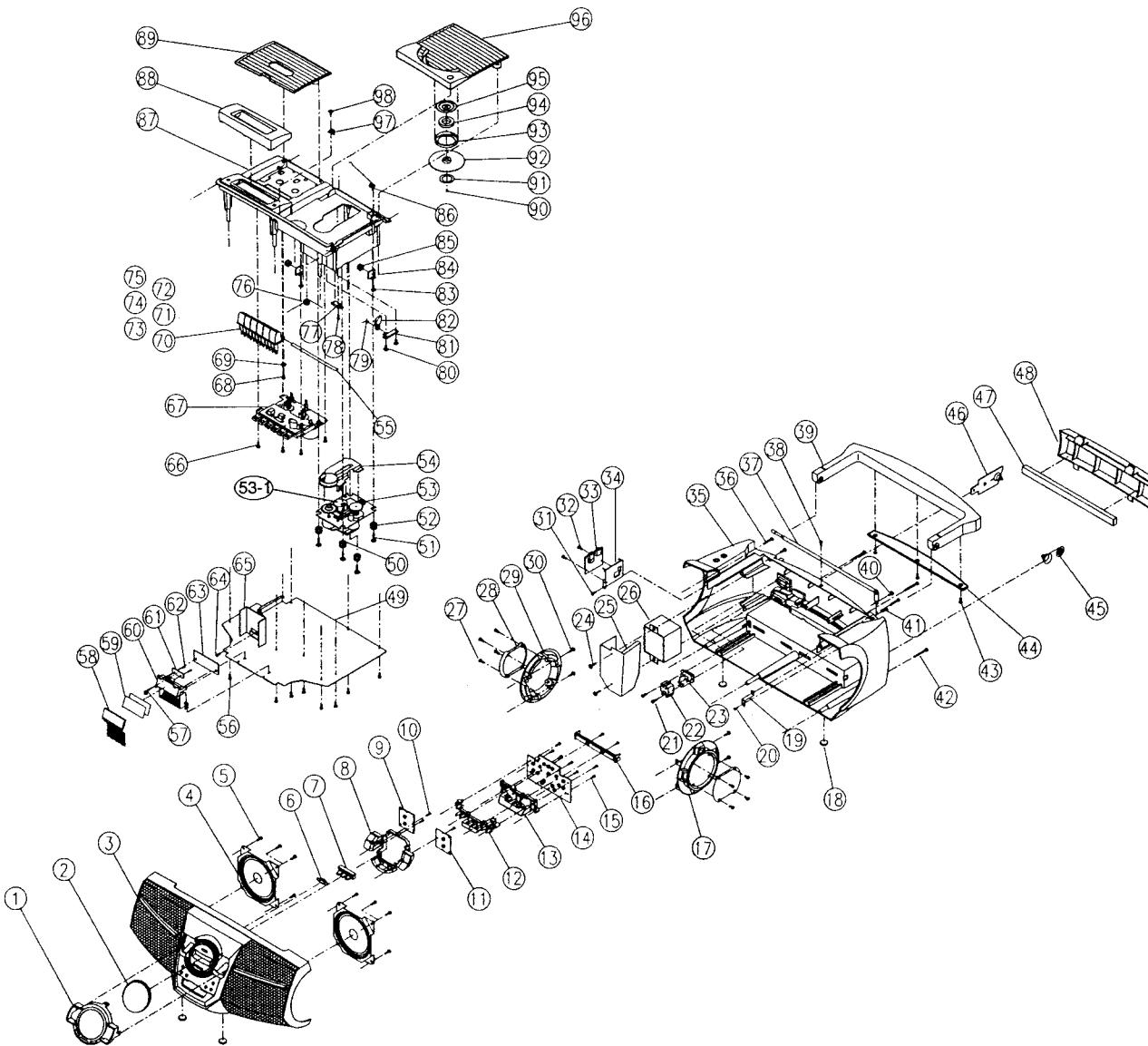
Part No.	Code No.	Description	Specification	Remarks
	AH81-00384M	DECK ASS'Y	CS-21FV-468	
1	AH81-00432A	MOTOR	EG530AD2B	EG530AD2B
2	AH81-00432B	M BELT	21-632	21-632
3	AH81-00432C	RF BELT	21-618	21-618
4	AH81-00432D	RP HEAD	20B03	20B03
5	AH81-00432E	E HEAD	TC230AN-SL	TC230AN-SL
6	AH81-00432H	LEAF SWITCH	21-706	21-706



AH81-00427A	DECK ASS'Y	TN-59RV-117
1 AH81-00427B	MOTOR	EG530AD-2B 6002-03-22
2 AH81-00427C	M BELT	TN-59RV-01 1851-14-16
3 AH81-00427D	RF BELT	TN-59RV-02 1921-07-03
4 AH81-00427E	RP HEAD	YK50R-SSOCO 6202-01-97
5 AH81-00427F	E HEAD	TC-230SS 6207-10-07
6 AH81-00427G	PINCH ROLLER(F) ASS'Y	TN-59RV-03 1959-04-305
7 AH81-00427H	PINCH ROLLER(R) ASS'Y	TN-59RV-04 1909-04-306
8 AH81-00427J	LEAF SWITCH	MSW-1541T 6401-01-149
9 AH81-00427K	RF CLUTCH ASS'Y	TN-59RV-05 1959-07-301

## 3-2 Main Exploded View and Parts List

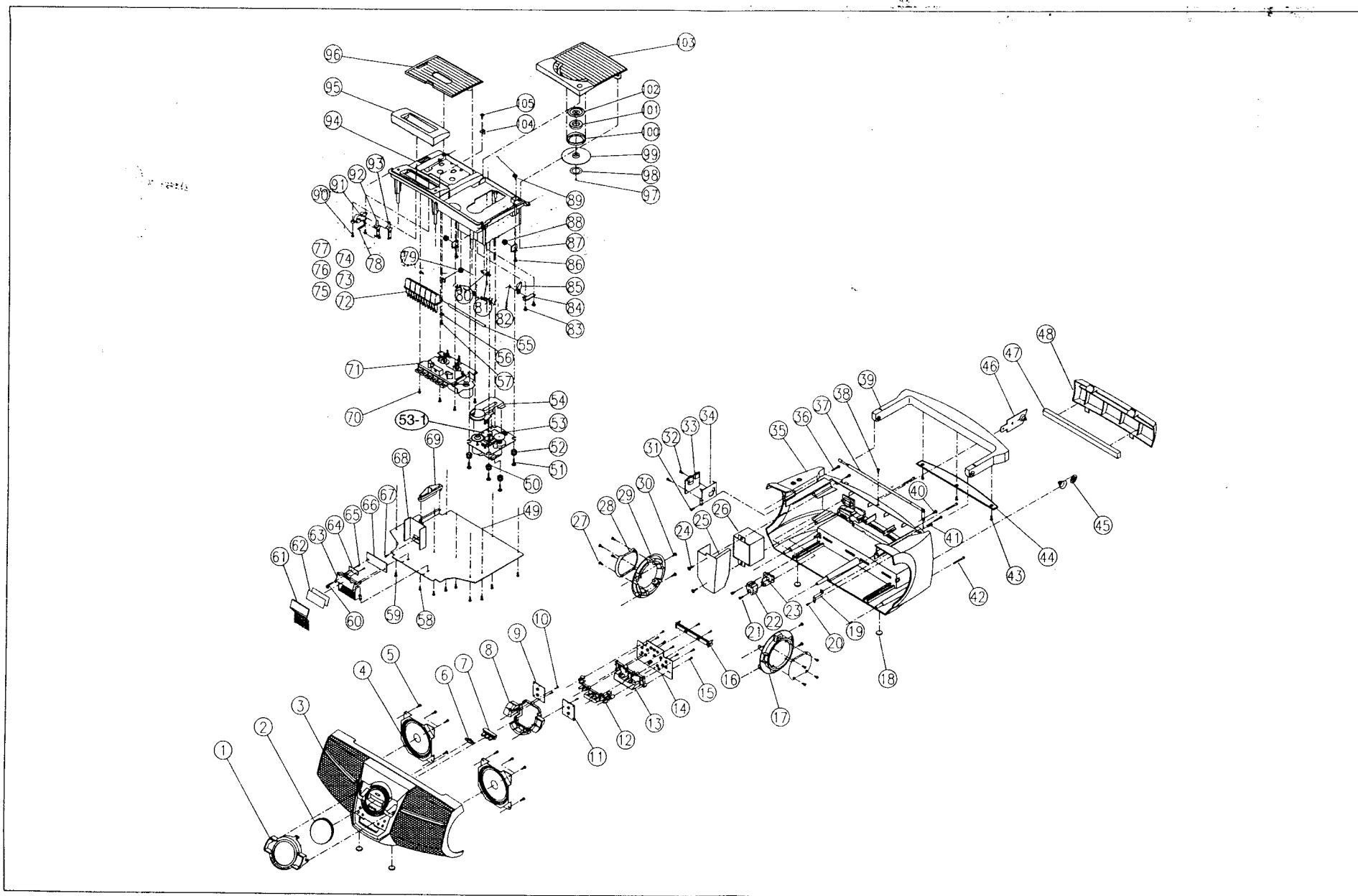
### 3-2-1 Exploded View : RCD-M50/M50B



### 3-2-2 Parts List

1	AH81-00454B	DECO RING	MOLD.BLUE HBL2067R	0101-45651-00	59	AH81-00447A	DISPLAY FILTER SHEET	T0.1	0103-43890-00
	AH81-00454F	DECO RING	DARK BLUE	RCD-M50B	61	AH92-01070K	SENSOR ASS'Y	30X11X1.6T 94HB	0320-M5008-00
2	AH81-00449A	LENS DISPLAY	ACRYLIC	0101-45656-00	63	AH81-00443D	LAMP BOARD	66X26X1.6T 94HB	0320-M5005-00
	AH81-00449C	LENS DISPLAY	C/BLUE, H/TRANS	RCD-M50B	65	AH81-00385K	HEAT SINK	AL PLATE T1.5	0102-43802-01
3	AH81-00387C	CABINET-FRONT ASS'Y	FRONT,GRILLE,DECO	0002-CDM50-02	67	AH81-00384M	DECK-CASSETTE	CS-21FV-468	0115-10M30-OP
	AH81-00387E	CABINET FRONT ASS'Y	SILVER BLUE	RCD-M50B	70	AH81-00399A	KNOB CASSETTE(REC)	ABS	0101-45623-06
4	AH81-00384H	SPEAKER-GENERAL	4.5W,40hm(BLK-CAP)	0118-03102-00		AH81-00399H	KNOB CASS REC	M/BLUE	RCD-M50B
6	AH81-00449B	LENS IR	ACRYLIC	0101-45659-00	71	AH81-00399B	KNOB CASSETTE(PLAY)	ABS	0101-45623-00
7	AH81-00448B	KNOB ALARM	ABS	0101-45653-00		AH81-00399N	KNOB CASS PLAY	M/BLUE	RCD-M50B
	AH81-00448F	KNOB ALARM	SILVER	RCD-M50B	72	AH81-00399C	KNOB CASSETTE(F.F)	ABS	0101-45623-04
8	AH81-00448A	KNOB FUNCTION	ABS	0101-45652-00		AH81-00399J	KNOB CASS F.F	M/BLUE	RCD-M50B
	AH81-00448E	KNOB FUNCTION	SILVER	RCD-M50B	73	AH81-00399D	KNOB CASSETTE(REW)	ABS	0101-45623-05
9	AH92-01072H	KEY 1 ASS'Y	39X42.5X1.6T 94HB	0320-M5006-00		AH81-00399K	KNOB CASS REW	M/BLUE	RCD-M50B
11	AH92-01072J	KEY 2 ASS'Y	39X42.5X1.6T 94HB	0320-M5007-00	74	AH81-00399E	KNOB CASSETTE(STOP)	ABS	0101-45623-03
12	AH81-00448C	KNOB MONO PROGRAM	ABS	0101-45657-00		AH81-00399L	KNOB CASS STOP	M/BLUE	RCD-M50B
	AH81-00448G	KNOB MONO PROGRAM	SILVER	RCD-M50B	75	AH81-00399F	KNOB CASSETTE(PAUSE)	ABS	0101-45623-02
13	AH81-00448D	KNOB VOLUME	ABS	0101-45658-00		AH81-00399M	KNOB CASS PAUSE	M/BLUE	RCD-M50B
	AH81-00448H	KNOB VOLUME	SILVER	RCD-M50B	76	AH81-00385E	SPRING DOOR CASS	PI 1.4	0102-43840-00
14	AH92-01072D	CONTROL ASS'Y	69X120X1.6T 94HB	0001-00M50-00	77	AH81-00382U	SWITCH-LEAF	LS-323-0	0323-60208-01
16	AH81-00447E	ADAPTOR PCB	ABS	0101-45655-00	79	AH81-00385J	SPRING HOOK	PI 0.3mm	0102-43847-00
17	AH81-00393A	DECO-SIDE WHEEL R	ABS	0101-45614-00	81	AH81-00384U	BRACKET HOOK	ABS	0101-45628-00
	AH81-00393B	DECO SIDE WHEEL R	M/BLUE	RCD-M50B	82	AH81-00384T	HOOK	ABS	0101-45627-00
19	AH81-00385A	BRACKET ANT	COPPER T0.3	0102-43831-00	86	AH81-00385D	SPRING DOOR CD	PI 1.4	0102-43839-00
23	AH81-00384D	JACK-AC POWER	CP2, WIRE-TYPE, W/LOVE	0322-30169-00	87	AH81-00404A	CABINET-TOP	HIPS	0101-45609-00
25	AH81-00385F	SHIELD TRANS	T 0.5	0102-43844-00		AH81-00404C	CABINE TOP	SILVER BLUE	RCD-M50B
26	AH81-00446F	TRANS-POWER	EI57*230V/50Hz	OPTION.0326-45700-67	88	AH81-00396B	COVER KNOB CASS	SAN	0101-45619-00
	AH81-00446G	TRANS-POWER	EI57*120V/60Hz	OPTION.0326-45700-70		AH81-00396C	COVER KNOB CASS	C/BLUE, H/TRANS	RCD-M50B
	AH81-00446H	TRANS-POWER	EI57*25.115/230V	OPTION.0326-45700-71	89	AH81-00426C	CA DOOR ASSY	COVER+BRACKET	0002-CDM50-00
28	AH81-00394A	DECO WHEEL CAP	SAN	0101-45615-00		AH81-00426F	CASS DOOR ASS'Y	SILVER BLUE	RCD-M50B
	AH81-00394C	DECO WHEEL CAP	C/BLUE, H/TRANS	RCD-M50B	92	AH81-00384R	PLATE-CHUCK B	ABS+FIBER GLASS	0101-32546-02
29	AH81-00392A	DECO-SIDE WHEEL L	ABS	0101-45613-00	93	AH81-00384S	RING CHUCKING	ABS BLACK	0101-45620-00
	AH81-00392B	DECO SIDE WHEEL L	M/BLUE	RCD-M50B	95	AH81-00384Y	PLATE CHUCK A	STEEL T0.6	0102-31274-00
33	AH92-01072E	MIC ASS'Y	48X40X1.6T 94HB	0001-00M50-02	96	AH81-00425B	CD DOOR ASSY	COVER+BRACKET	0002-CDM35-03
34	AH81-00384V	BRACKET PHONE PCB	ABS BLACK	0101-45629-00		AH81-00425D	CD DOOR ASS'Y	SILVER BLUE	RCD-M50B
35	AH81-00417A	CABINET REAR	HIPS	0101-45608-00					
	AH81-00417B	CABINET REAR	SILVER BLUE	RCD-M50B					
37	AH81-00384G	ANT-ROD	3S, Dia6*285mm	0114-06285-00					
39	AH81-00398A	HANDLE	ABS	0101-45622-00					
	AH81-00398C	HANDLE	SILVER BLUE	RCD-M50B					
44	AH81-00398B	COVER HANDLE	ABS	0101-45807-00					
	AH81-00398D	COVER HANDLE	SILVER BLUE	RCD-M50B					
45	AH81-00385N	SPRING BATT +-	PI 1.0	0119-30363-00					
46	AH92-01072F	BATTERY PCB ASS'Y		0002-CDM30-07					
48	AH81-00397A	LID BATTERY	HIPS	0101-45621-00					
	AH81-00397B	LID-BATTERY	SILVER BLUE	RCD-M50B					
49	AH92-01072C	MAIN ASS'Y	292X223X1.6T 94HB	0001-00M50-01					
50	AH81-00454D	VIBF.PROOF RUBBER	GREEN	0109-40361-01					
51	AH81-00385B	SHAFT-CD	PI2.6X16mm	0102-41598-00					
52	AH81-00454E	VIBF.PROOF RUBBER	RED	0109-40360-01					
53	AH81-00384L	DECK-CDP	CMS-N75VG6(U)	0115-60M30-0J					
53-1	AJ75-00601F	PICK-UP ASS'Y	SOH-AA(AAU)	0101-45630-00					
54	AH81-00551E	CAP PICK-UP	ABS BLACK	COMMON					
55	AH81-00385H	HINGE KNOB CASS	PI 5X124mm	0102-43846-01					
58	AH81-00444N	LCD DISPLAY	SDT-A292-TP-2	0347-40100-36					

### 3-2-3 Exploded View : RCD-M55/M55G



Code	Part No.	Description	Spec.
1	AH81-00454B	DECO RING	MOLD.BLUE HBL2067R
	AH81-00454G	DECO RING	DARK SILVER
2	AH81-00449A	LENS DISPLAY	ACRYLIC
	AH81-00449C	LENS DISPLAY	C/BLUE, H/TRANS
3	AH81-00387C	CABINET-FRONT ASS'Y	FRONT,GRILLE,DECO
	AH81-00387F	CABINET FRONT ASS'Y	SILVER GRAY
4	AH81-00384H	SPEAKER-GENERAL	4.5W,40hm(BLK-CAP)
	AH81-00449B	LENS IR	0118-03102-00
6	AH81-00448B	KNOB ALARM	ACRYLIC
	AH81-00448F	KNOB ALARM	ABS
8	AH81-00448A	KNOB FUNCTION	SILVER
	AH81-00448E	KNOB FUNCTION	ABS
9	AH92-01072H	KEY 1 ASS'Y	39X42.5X1.6T 94HB
11	AH92-01072J	KEY 2 ASS'Y	39X42.5X1.6T 94HB
12	AH81-00448C	KNOB MONO PROGRAM	ABS
	AH81-00448G	KNOB MONO PROGRAM	SILVER
13	AH81-00448D	KNOB VOLUME	ABS
	AH81-00448H	KNOB VOLUME	SILVER
14	AH92-01072D	CONTROL ASS'Y	69X120X1.6T 94HB
16	AH81-00447E	ADAPTOR PCB	ABS
17	AH81-00393A	DECO-SIDE WHEEL R	ABS
	AH81-00393C	DECO SIDE WHEEL R	DARK SILVER
19	AH81-00385A	BRACKET ANT	COPPER T0.3
23	AH81-00384D	JACK-AC POWER	CP2, WIRE-TYPE, W/LOVE
25	AH81-00385F	SHIELD TRANS	T 0.5
26	AH81-00446F	TRANS-POWER	E157*25,230V,50Hz
	AH81-00446G	TRANS-POWER	E157*25,120V,60Hz
	AH81-00446H	TRANS-POWER	E157*25,115/230V
28	AH81-00394A	DECO WHEEL CAP	SAN
	AH81-00394A	DECO WHEEL CAP	L/GRAY, H/TRANS
29	AH81-00392A	DECO-SIDE WHEEL L	ABS
	AH81-00392C	DECO SIDE WHEEL L	DARK SILVER
33	AH92-07072E	MIC ASS'Y	48X40X1.6T 94HB
34	AH81-00384V	BRACKET PHONE PCB	ABS BLACK
35	AH81-00417A	CABINET REAR	HIPS
	AH81-00417C	CABINET REAR	SILVER GRAY
37	AH81-00384G	ANT-ROD	3S,Dia6*285mm
	AH81-00398A	HANDLE	ABS
	AH81-00398E	HANDLE	SILVER GRAY
44	AH81-00398B	COVER HANDLE	ABS
	AH81-00398F	COVER HANDLE	SILVER GRAY
45	AH81-00385N	SPRING BATT +	PI 1.0
46	AH92-01072F	BATTERY PCB ASS'Y	0119-30363-00
			0002-CDM30-07
48	AH81-00397A	LID BATTERY	HIPS
	AH81-00397C	LID-BATTERY	SILVER GRAY
49	AH92-01072C	MAIN ASS'Y	292X223X1.6T 94HB
50	AH81-00454D	VIBF.PROOF RUBBER	GREEN
51	AH81-00385B	SHAFT-CD	PI2.6X16mm
52	AH81-00454E	VIBF.PROOF RUBBER	RED
53	AH81-00384L	DECK-CDP	CMS-N75VG6(U)
53-1	AJ75-00601F	PICK-UP ASS'Y	SOH-AA(AAU)
54	AH81-00551E	CAP PICK-UP	ABS BLACK
55	AH81-00385H	HINGE KNOB CASS	PI 5X124mm
61	AH81-00444N	LCD DISPLAY	SDT-A292-TP-2
			0347-40100-36

No.	Code	Description	Spec.
62	AH81-00447A	DISPLAY FILTER SHEET	T0.1
64	AH92-01072K	SENSOR ASS'Y	30X11X1.6T 94HB
66	AH81-00443D	LAMP BOARD	66X26X1.6T 94HB
68	AH81-00385K	HEAT SINK	AL PLATE T1.5
69	AH81-00391A	BRACKET RECORDING	HIPS(RCD-M35)
71	AH81-00427A	DECK-CASSETTE	TN-59RV-117
72	AH81-00399A	KNOB CASSETTE(REC)	ABS
	AH81-00399P	KNOB CASS REC	DARK SILVER
73	AH81-00399B	KNOB CASSETTE(PLAY)	ABS
	AH81-00399U	KNOB CASS PLAY	DARK SILVER
74	AH81-00399C	KNOB CASSETTE(F.F)	ABS
	AH81-00399Q	KNOB CASS F.F	DARK SILVER
75	AH81-00399D	KNOB CASSETTE(REW)	ABS
	AH81-00399R	KNOB CASS REW	DARK SILVER
76	AH81-00399E	KNOB CASSETTE(STOP)	ABS
	AH81-00399S	KNOB CASS STOP	DARK SILVER
77	AH81-00399F	KNOB CASSETTE(PAUSE)	ABS
	AH81-00399T	KNOB CASS PAUSE	DARK SILVER
78	AH81-00420A	SPRING KNOB	DIA 0.3mm
79	AH81-00385E	SPRING DOOR CASS	PI 1.4
80	AH81-00382U	SWITCH-LEAF	LS-323-0
82	AH81-00385J	SPRING HOOK	PI 0.3mm
84	AH81-00384U	BRACKET HOOK	ABS
85	AH81-00384T	HOOK	ABS
89	AH81-00385D	SPRING DOOR CD	PI 1.4
91	AH81-00389A	BRACKET AUTO-REVERSE	ABS MOLD L.GREY SPY
92	AH81-00388A	KNOB DIR	MOLD
	AH81-00388B	KNOB DIR	DARK SILVER
93	AH81-00386A	KNOB MODE	ABS MOLD L.GREY SPY
	AH81-00386B	KNOB MODE	DARK SILVER
94	AH81-00404B	CABINET-TOP	HIPS
	AH81-00404D	CABINE TOP	DARK SILVER
95	AH81-00396A	COVER KNOB CASS	SAN,GRAY
	AH81-00396A	COVER KNOB CASS	L/GRAY, H/TRANS
96	AH81-00426D	CA DOOR ASSY	COVER+BRACKET
	AH81-00426G	CASS DOOR ASS'Y	DARK SILVER (HOLE)
99	AH81-00384R	PLATE-CHUCK B	ABS+FIBER GLASS
100	AH81-00384S	RING CHUCKING	0101-32546-02
102	AH81-00384Y	PLATE CHUCK A	ABS BLACK
103	AH81-00425A	CD DOOR ASSY	STEEL T0.6
	AH81-00425C	CD DOOR ASS'Y	COVER+BRACKET
			DARK SILVER

## 4. Electrical Parts List

### \*\*\*\* RCD-M50/55/50B/55G Parts List \*\*\*\*

AH81-00384D	JACK-AC POWER	0322-30169-00,CP2, WIRE-TYPE,W'	C306	AH81-00444X	TR-SMALL	0329-9015C-01,9015C...
AH81-00384F	POWER-CORD	0349-30002-97,CP2,H03VH2-FVD	D309	AH81-00444Z	DIODE-VARIC	0344-3V149-03,1V149...
AH81-10062V	POWER-CORD	AP2,KSP-173,0201,KKJ201A	D310	AH81-00444Z	DIODE-VARIC	0344-3V149-03,1V149...
AH81-10001L	POWER-CORD	EP2,SPT-1*218,2M,KKS-18	D304	AH81-00445A	DIODE-VARIC	0344-3V101-03,1V101...
AH81-00384G	ANT-ROD	0114-06285-00,3S,DIA6.285MM...	D305	AH81-00445A	DIODE-VARIC	0344-3V101-03,1V101...
AH81-00446F	TRANS-POWER	0326-45700-67,E15*725,230V/50Hz	D609	AH81-00445B	DIODE-RECTI	0344-15397-00,NS397...
AH81-00446G	TRANS-POWER	0326-45700-70,E15*725,120V/60Hz	D610	AH81-00445B	DIODE-RECTI	0344-15397-00,NS397...
AH81-00446H	TRANS-POWER	0326-45700-71,E15*725,115/230V	D611	AH81-00445B	DIODE-RECTI	0344-15397-00,NS397...
AH81-00453A	AS PART-REMOC-ASSY	0212-61135-00,RCD-M50/M55...	D612	AH81-00445B	DIODE-RECTI	0344-15397-00,NS397...
<b>AH92-01072C ASSY MAIN PCB</b>						
<b>0001-00M50-01 RCD-M50/55 MAIN</b>						
S3C7235056-0WR5,800P,PCD590			C306	AH81-00445X	TR-SMALL	0329-9015C-01,9015C...
LC7213D,DIP,STICK PLL			D309	AH81-00445Z	DIODE-VARIC	0344-3V149-03,1V149...
0323-60208-01,LS,423-0...			D310	AH81-00444Z	DIODE-VARIC	0344-3V101-03,1V101...
0330-22241-15,KA22241,			D304	AH81-00445A	DIODE-VARIC	0344-3V101-03,1V101...
0330-04517-15,BA5417...			D311	AH81-00445C	DIODE-ZENOR	0344-15397-00,NS397...
0329-1815G-01,2SC1815...			T303	AH81-00445G	TRANS-IF	0344-15397-00,NS397...
0329-1815G-01,2SC1815...			T302	AH81-00445H	TRANS-IF	0344-15397-00,NS397...
0329-1815G-01,2SC1815...			T304	AH81-00445J	TRANS-IF	0344-15397-00,NS397...
0329-1815G-01,2SC1815...			L304	AH81-00445L	COIL-BOBIN,	0322-10347-02,DA1,0MM,62T,2T,
0329-1815G-01,2SC1815...			AH81-00445L	HOLDER-ANT	BAR	0101-1001-00,PP,MOLD,10X15MMX
0329-1815G-01,2SC1815...			L301	AH81-00445M	COIL-SPRING	0332-2012-00,3.5,RP,4D,CW
0329-1815G-01,2SC1815...			L302	AH81-00445N	COIL-SPRING	0332-2026-03,3.5,RP,4.5D,CW
0330-22241-15,KA22241,			X302	AH81-00445Q	FILTER-CERAMIC	0342-C2450-00,5FU450V...
0330-04517-15,BA5417...			T301	AH81-00444R	BPF-COIL	0342-1215-16,A-256,TTW-857906164-1
0329-1815G-01,2SC1815...			T301	AH81-00444S	BPF-COIL	0342-17700-03,5,285MM...
0329-1815G-01,2SC1815...			AH81-00444T	ANT-ROD FM		0114-06285-03,62X85MM...
0329-1815G-01,2SC1815...			X304	AH81-00445U	C-RESONATOR	0363-0456F-01,C8456F18...
0329-1815G-01,2SC1815...			X201	AH81-00445V	C-RESONATOR	0363-400MG-01,CSA 4.0MG...
0329-1815G-01,2SC1815...			X101	AH81-00445W	C-RESONATOR	0363-16934-16C4.6 334MXZ240...
0329-1815G-01,2SC1815...			X202	AH81-00445X	X-TAL	0355-40269-00,32,768KHZ...
0329-1815G-01,2SC1815...			TC2	AH81-00445Y	C-TRIMMER	0341-10010-03,10PC,VN610,H-TYP
0329-1815G-01,2SC1815...			TC7	AH81-00445Z	C-TRIMMER	0341-10010-03,10PC,VN610,H-TYP
0329-1815G-01,2SC1815...			TC301	AH81-00445Z	C-TRIMMER	0341-10020-00,20P,DIA-6MM...
0329-1815G-01,2SC1815...			TC302	AH81-00445Z	C-TRIMMER	0341-10020-00,29P,DIA-6MM...
0329-1815G-01,2SC1815...			AH81-00447D	HOLDER LCD		0101-45654-00,AB,UHTE...
0329-1815G-01,2SC1815...			D101	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D102	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D103	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D104	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D202	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D203	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D204	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D205	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D206	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D207	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D208	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D551	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D606	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D607	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D303	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D306	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D308	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D551	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D606	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D607	0401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
0329-1815G-01,2SC1815...			D201	0402-000279	DIODE-RECTIFIER	IN60S,-45V,50MA,DO-7,TP
0329-1815G-01,2SC1815...			D312	0403-00352	DIODE-ZENER	U247BM,4.7V4.45V,500mW
0329-1815G-01,2SC1815...			D605	0403-00363	DIODE-ZENER	U288H,6.8V,6.8V,2.7V,500mW
0329-1815G-01,2SC1815...			D604	0403-00396	DIODE-ZENER	UZP8,6.8V,6.8V,4.7V,1W,DO-41
0329-1815G-01,2SC1815...			D602	0403-00398	DIODE-ZENER	UZP8,2.8V,2.7V,7.7V,1W,DO
0329-1815G-01,2SC1815...			O610	0502-000303	TR-POWER	KSD882,NPNA,1W
0329-1815G-01,2SC1815...			IC102	0904-001442	IC-DSP	0330-09286-15,KS9286,88BIT,OPP
0329-1815G-01,2SC1815...			IC103	1203-000294	IC-MOTOR DRIVER	0330-09286-015,KA9286,50P,28P
0329-1815G-01,2SC1815...			IC101	1204-001286	IC-ASSY	0330-09223-15,KB9223,OPF80P
0329-1815G-01,2SC1815...			IC601	1204-001465	IC-VOLUME/TONE CONT.	TDAT40D,SOP,28,18,1,PLASTIC,1
0329-1815G-01,2SC1815...			R627	2001-000005	R-CARBON	390ohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R628	2001-000005	R-CARBON	390ohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R123	2001-000008	R-CARBON	15Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R209	2001-000008	R-CARBON	15Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R119	2001-000010	R-CARBON	68Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R539	2001-000012	R-CARBON	680Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R638	2001-000019	R-CARBON(S)	100mohm,5%,1.8W,AA,TP,2.4x6.4mm
0329-1815G-01,2SC1815...			R504	2001-000110	R-CARBON	100mohm,5%,1.8W,AA,TP,2.4x6.4mm
0329-1815G-01,2SC1815...			R115	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R120	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R126	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R134	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R140	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R144	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R147	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R204	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R252	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R324	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R327	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R312	2001-000281	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R318	2001-000281	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R326	2001-000281	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R347	2001-000281	R-CARBON	100Kohm,5%,1.8W,AA,TP,1.8x3.2mm
0329-1815G-01,2SC1815...			R112	2001-000282	R-CARBON	10KOHM,1%,1.8W,AD,TP
0329-1815G-01,2SC1815...			R113	2001-000282	R-CARBON	10KOHM,1%,1.8W,AD,TP
0329-1815G-01,2SC1815...			R208	2001-000282	R-CARBON	10KOHM,1%,1.8W,AD,TP
0329-1815G-01,2SC1815...			R319	2001-000282	R-CARBON	10KOHM,1%,1.8W,AD,TP
0329-1815G-01,2SC1815...			R320	2001-000282	R-CARBON	10KOHM,1%,1.8W,AD,TP



C150	2201-000163	C-CERAMIC.DISC	10nF+80-20%50VY5V6.5*5.5MM	C517	2301-000430	C-FILM.PEF	33nF10%50V9x12.5x4.5TP
C152	2201-000163	C-CERAMIC.DISC	10nF+80-20%50VY5V6.5*5.5MM	C527	2301-000430	C-FILM.PEF	33nF10%50V9x12.5x4.5TP
C159	2201-000163	C-CERAMIC.DISC	10nF+80-20%50VY5V6.5*5.5MM	C103	2301-000442	C-FILM.PEF	4.7nF10%50V6x12x3.TP
C160	2201-000163	C-CERAMIC.DISC	10nF+80-20%50VY5V6.5*5.5MM	C605	2301-000453	C-FILM.PEF	5.6nF10%50V5.5x7x3MM.5
C161	2201-000163	C-CERAMIC.DISC	10nF+80-20%50VY5V6.5*5.5MM	C606	2301-000453	C-FILM.PEF	5.6nF10%50V5.5x7x3MM.5
C166	2201-000163	C-CERAMIC.DISC	10nF+80-20%50VY5V6.5*5.5MM	C361	2301-000469	C-FILM.PEF	68nF10%50V10x12.5x5.5TP
C302	2201-000163	C-CERAMIC.DISC	10nF+80-20%50VY5V6.5*5.5MM	C315	2301-000476	C-FILM.PEF	82nF10%50V10.5x12.5x6.TP
C314	2201-000163	C-CERAMIC.DISC	10nF+80-20%50VY5V6.5*5.5MM	C321	2301-000475	C-FILM.PEF	82nF10%50V10.5x12.5x6.TP
C352	2201-000202	C-CERAMIC.DISC	10pF5%50VNP0.0*3.0.5MM.TP	C362	2301-000476	C-FILM.PEF	82nF10%50V10.5x12.5x6.TP
C104	2201-000223	C-CERAMIC.DISC	12pF5%50VNP0.0*3.0.2.5mm.	C327	2302-000232	C-FILM.PSF	360pF5%50V5.5x11.5.BK
C288	2201-000223	C-CERAMIC.DISC	12pF5%50VNP0.0*3.0.2.5mm.	C209	2401-000213	C-AL	100nF20%50VGP3.5x2.5MM.TP
C101	2201-000300	C-CERAMIC.DISC	1nF20%50VY5T4x4mm.5mm.TP	C122	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C109	2201-000300	C-CERAMIC.DISC	1nF20%50VY5T4x4mm.5mm.TP	C126	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C114	2201-000300	C-CERAMIC.DISC	1nF20%50VY5T4x4mm.5mm.TP	C129	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C133	2201-000300	C-CERAMIC.DISC	1nF20%50VY5T4x4mm.5mm.TP	C130	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C136	2201-000300	C-CERAMIC.DISC	1nF20%50VY5T4x4mm.5mm.TP	C131	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C304	2201-000300	C-CERAMIC.DISC	1nF20%50VY5T4x4mm.5mm.TP	C141	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C329	2201-000300	C-CERAMIC.DISC	1nF20%50VY5T4x4mm.5mm.TP	C143	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C356	2201-000300	C-CERAMIC.DISC	1nF20%50VY5T4x4mm.5mm.TP	C151	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C363	2201-000300	C-CERAMIC.DISC	1nF20%50VY5T4x4mm.5mm.TP	C152	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C111	2201-000326	C-CERAMIC.DISC	2.2nF10%50VY5TP7x3.5	C355	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C201	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C514	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C311	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C525	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C312	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C9	2401-000240	C-AL	100uF20%10VGP5.11mm.5mm.TP
C313	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C121	2401-000419	C-AL	10uF20%16VGP5.11mm.5MM
C325	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C202	2401-000419	C-AL	10uF20%16VGP5.11mm.5MM
C326	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C210	2401-000419	C-AL	10uF20%16VGP5.11mm.5MM
C354	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C323	2401-000419	C-AL	10uF20%16VGP5.11mm.5MM
C360	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C324	2401-000419	C-AL	10uF20%16VGP5.11mm.5MM
C330	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C601	2401-000419	C-AL	10uF20%16VGP5.11mm.5MM
C620	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C604	2401-000419	C-AL	10uF20%16VGP5.11mm.5MM
C635	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C529	2401-000795	C-AL	22uF20%16VGP8.12.5MM.TP
C644	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C3	2401-000830	C-AL	22uF20%25VGP8.11.5MM.TP
C646	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C531	2401-000907	C-AL	22uF20%16VGP5.11.5MM.TP
C647	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C628	2401-001022	C-AL	3.3uF20%30VSM5.11.5MM.TP
C648	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C1	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C649	2201-000381	C-CERAMIC.DISC	22nF+80%-20%50VY5V8.0*4.0	C204	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C207	2201-00389	C-CERAMIC.DISC	22pF5%50VNP0.5*3.0.5MM.TP	C251	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C208	2201-00389	C-CERAMIC.DISC	22pF5%50VNP0.5*3.0.5MM.TP	C343	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C303	2201-00397	C-CERAMIC.DISC	24pF5%50VNP0.5*3.0.5MM.TP	C623	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C308	2201-00397	C-CERAMIC.DISC	24pF5%50VNP0.5*3.0.5MM.TP	C624	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C156	2201-00423	C-CERAMIC.DISC	27p5%50VNP0.5*3.0.5MM.TP	C627	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C157	2201-00423	C-CERAMIC.DISC	27p5%50VNP0.5*3.0.5MM.TP	C630	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C319	2201-00432	C-CERAMIC.DISC	2PF5%50VNP0.5*3.0.5MM.TP	C640	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C338	2201-00459	C-CERAMIC.DISC	30p5%50VNP0.5*3.0.5MM.TP	C704	2401-001511	C-AL	47uF20%16VGP6.7.5MM.TP
C118	2201-00470	C-CERAMIC.DISC	330pF10%50VSL8x4mm.5mm.TP	C4	2401-001883	C-AL	1000uF20%25VGP13x21mm.5mm
C322	2201-00470	C-CERAMIC.DISC	330pF10%50VSL8x4mm.5mm.TP	C619	2401-001883	C-AL	1000uF20%25VGP13x21mm.5mm
C345	2201-00470	C-CERAMIC.DISC	330pF10%50VSL8x4mm.5mm.TP	C618	2401-001893	C-AL	1000uF20%16VGP6.7.5MM.TP
C205	2201-00483	C-CERAMIC.DISC	33pF5%50VNP0.5x3.5mm.5mm.TP	C637	2401-001893	C-AL	1000uF20%16VGP6.7.5MM.TP
C5	2201-00499	C-CERAMIC.DISC	390pF5%50VNP0.5x3.5mm.5mm.TP	C641	2401-001893	C-AL	1000uF20%16VGP6.7.5MM.TP
C154	2201-00565	C-CERAMIC.DISC	47nF+80%-20%50VY5V12.5*	C106	2401-001912	C-AL	1uF20%50VY5V12.5*
C351	2201-00565	C-CERAMIC.DISC	47nF+80%-20%50VY5V12.5*	C336	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C520	2201-00601	C-CERAMIC.DISC	560pF10%50VY5P0.5*3.0MM.	C337	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C324	2201-00601	C-CERAMIC.DISC	560pF10%50VY5P0.5*3.0MM.	C518	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C301	2201-00751	C-CERAMIC.DISC	39p5%50VNP0.5x3.5mm.5mm.TP	C528	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C107	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C551	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C108	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C552	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C110	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C602	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C123	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C603	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C124	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C608	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C146	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C610	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C147	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C651	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C155	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C652	2401-001912	C-AL	1uF20%50VGP5.11.5mm.TP
C306	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C658	2401-001923	C-AL	2200uF20%16VGP13*16MM.SMM
C340	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C643	2401-001923	C-AL	2200uF20%16VGP13*16MM.SMM
C380	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C615	2401-001925	C-AL	2200uF20%16VGP5.11.5mm.TP
C607	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C167	2401-001942	C-AL	3300uF20%35VGP18x37mm.7.5mm
C608	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C127	2401-001954	C-AL	4.7uF20%50VGP5.11.5MM.TP
C612	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C132	2401-001954	C-AL	4.7uF20%50VGP5.11.5MM.TP
C613	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C135	2401-001954	C-AL	4.7uF20%50VGP5.11.5MM.TP
C614	2201-00783	C-CERAMIC.DISC	100nF+80%-20%50VY5V.5mm.	C137	2401-001954	C-AL	4.7uF20%50VGP5.11.5MM.TP
C309	2201-00838	C-CERAMIC.DISC	3PF0.3PF50VCH.TP5.3	C139	2401-001954	C-AL	4.7uF20%50VGP5.11.5MM.TP
C310	2201-00868	C-CERAMIC.DISC	8PF5%50V.RTP5.3	C140	2401-001954	C-AL	4.7uF20%50VGP5.11.5MM.TP
C105	2201-00379	C-FILM.PEF	10F10%50V6x12x3.5.TP	C301	2401-001954	C-AL	4.7uF20%50VGP5.11.5MM.TP
C332	2301-00379	C-FILM.PEF	10F10%50V6x12x3.5.TP	C625	2401-001954	C-AL	4.7uF20%50VGP5.11.5MM.TP
C333	2301-00379	C-FILM.PEF	10F10%50V6x12x3.5.TP	C631	2401-001954	C-AL	4.7uF20%50VGP5.11.5MM.TP
C117	2301-00387	C-FILM.PEF	150nF10%50V12.5x15x7.5.TP	C145	2401-001968	C-AL	4.7uF20%50VGP5.11.5MM.TP
C039	2301-00387	C-FILM.PEF	150nF10%50V12.5x15x7.5.TP	C148	2401-001968	C-AL	4.7uF20%50VGP5.11.5MM.TP
C042	2301-00387	C-FILM.PEF	150nF10%50V12.5x15x7.5.TP	C344	2401-001968	C-AL	4.7uF20%50VGP5.11.5MM.TP
C507	2301-00400	C-FILM.PEF	1nF10%50V5x12x3.TP	C609	2401-002180	C-AL	4.7uF20%50VGP5.11.5MM.TP
C509	2301-00400	C-FILM.PEF	1nF10%50V5.5x12x3.TP	C611	2401-002180	C-AL	2.2uF20%50VGP5.11.5MM.TP
C526	2301-00400	C-FILM.PEF	1nF10%50V5x12x3.TP	C616	2401-003116	C-AL	2.2uF20%35V.18*35.SMM
C629	2301-00400	C-FILM.PEF	1nF10%50V5x12x3.TP	TC301	2502-000127	C-CERAMIC TRIMMER	20-4.6pF,50%-100V
C701	2301-00400	C-FILM.PEF	1nF10%50V5x12x3.TP	TC302	2502-000127	C-CERAMIC TRIMMER	20-4.6pF,50%-100V
C334	2301-00404	C-FILM.PEF	2.2nF10%50V5.5x12x3.TP	L201	2701-000111	INDUCTOR-AXIAL	100uH,10%2.5x3.4.LAL02TB101K
C335	2301-00404	C-FILM.PEF	2.2nF10%50V5.5x12x3.TP	L251	2701-000111	INDUCTOR-AXIAL	100uH,10%2.5x3.4.LAL02TB101K
C510	2301-00404	C-FILM.PEF	2.2nF10%50V5.5x12x3.TP	L305	2701-000111	INDUCTOR-AXIAL	100uH,10%2.5x3.4.LAL02TB101K
C513	2301-00404	C-FILM.PEF	2.2nF10%50V5.5x12x3.TP	L306	2701-000111	INDUCTOR-AXIAL	100uH,10%2.5x3.4.LAL02TB101K
C318	2301-00412	C-FILM.PEF	2.2nF10%50V8x12x4.TP	L307	2701-000111	INDUCTOR-AXIAL	100uH,10%2.5x3.4.LAL02TB101K
C116	23						

L102	2701-000178	INDUCTOR-AXIAL	33uH,10%,2.8x7mm,BAL03ST330K
L103	2701-000178	INDUCTOR-AXIAL	33uH,10%,2.8x7mm,BAL03ST330K
L104	2701-000178	INDUCTOR-AXIAL	33uH,10%,2.8x7mm,BAL03ST330K
X365	2801-000734	CRYSTAL-UNIT	7.2MHz,50ppm,28-AAY,12.5pF
X202	2801-001394	CRYSTAL-UNIT	32.768kHz,200ppm,28-AAY,12.5pF
X201	2802-000158	RESONATOR-CERAMIC	4MHz,0.5%,TP1.0x5.0x7.5mm
X304	2802-000215	RESONATOR-CERAMIC	456.15kHz,1.38x2.7x3.5mm
X301	2803-000105	FILTER-CERAMIC	10.7MHz,BP,10.7MHz±2.30kHz
X303	2803-000109	FILTER-CERAMIC	10.7MHz,16-A,BP,10.7MHz±2.30kHz
3001-000325	CORE-FERRITE BEAD	AB.3.2x2.5x1.3mm,...	

AH92-01072G	ASSY PCB-LAMP(LCD)	RCD-M50/55 MAIN-
AH92-01072H	ASSY PCB-KEY 1	RCD-M50/55 MAIN-
AH92-01072J	ASSY PCB-KEY 2	RCD-M50/55 MAIN-
AH92-01072K	ASSY PCB-SENSOR	RCD-M50/55 MAIN-
AH97-00740B	ASSY MACHINERY	RCD-M50/55 MAIN-
AH81-00384H	SPEAKER-GENERAL	0118-03102-00.4.5W.4OHM.BLK-C
AH81-00384L	DECK-CDPCM5-NT7VG6	0115-603030-U
A75-00601F	CD PICK UP SOH-AA	D515G6 RCD390/PCDM3035
AH81-00427A	DECK-CASSET	0115-10M35-0FTN-59RV-117:AR

**AH92-01072D ASSY CONTROL PCB 0001-00M50-00 RCD-M50/55**

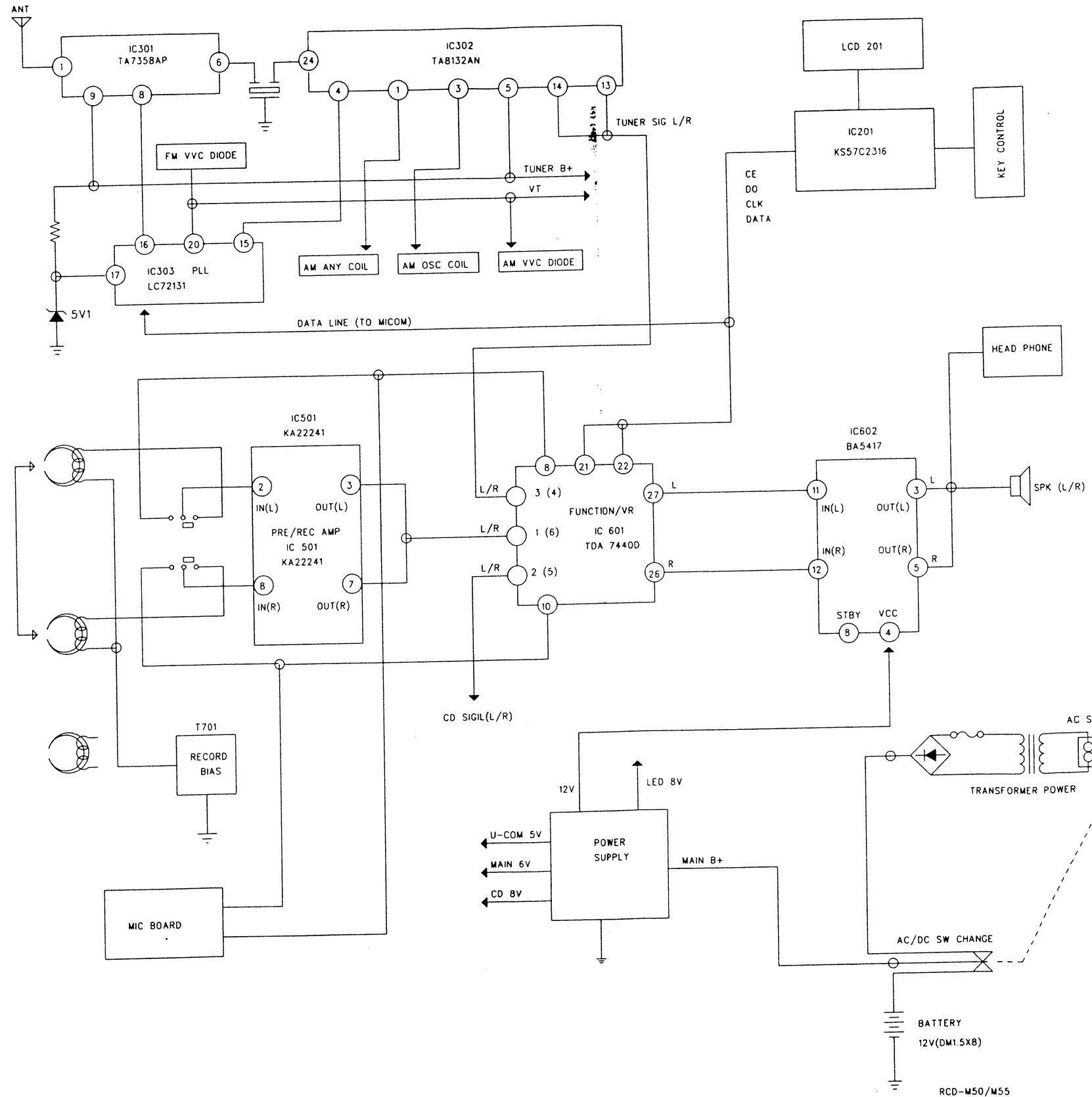
BACK	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
CD	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
CD-REPEAT	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
CLASSIC	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
CLOCK	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
FM-MODE	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
NEXT	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
POP	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
POWER	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
PROGRAM	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
REPEAT	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
ROCK	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
S-BASS	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
SLEEP	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
STOP	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
TAPE	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
TIME	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
TUNER	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
VOL-UP	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
VOL-DOWN	AH81-00382V	SWITCH-TACT	0324-10054-04.TS-065001-150.4P
0613	AH81-00383H	TR-SMALL	0329-9014C-17.SS9014C,...
D601	AH81-00444P	LED	0346-20076-001-474SGT(GRN),...
D602	AH81-00444P	LED	0346-20076-001-474SGT(GRN),...
D603	AH81-00444P	LED	0346-20076-001-474SGT(GRN),...
D604	AH81-00444P	LED	0346-20076-001-474SGT(GRN),...
D605	AH81-00444P	LED	0346-20076-001-474SGT(GRN),...
D606	AH81-00444P	LED	0346-20076-001-474SGT(GRN),...
D612	AH81-00444S	TR-SMALL	0329-0562C-00.2S662C,...
D253	3401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
D254	3401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
D255	3401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
D256	3401-000101	DIODE-SWITCHING	1N4148,100V,200mA,500mW,4nS
D614	1602-000303	TR-POWER	KSD882.NPNA,1W
R642	2001-000273	R-CARBON	100Kohm,5%,1.8W,AA,TP1.8x3.2mm
R644	2001-000515	R-CARBON	220Kohm,5%,1.8W,AA,TP1.8x3.2mm
R645	2001-000515	R-CARBON	220Kohm,5%,1.8W,AA,TP1.8x3.2mm
R646	2001-000515	R-CARBON	220Kohm,5%,1.8W,AA,TP1.8x3.2mm
R647	2001-000515	R-CARBON	220Kohm,5%,1.8W,AA,TP1.8x3.2mm
R643	2001-000730	R-CARBON	470Kohm,5%,1.8W,AA,TP1.8x3.2mm
R255	2001-000736	R-CARBON	47Kohm,5%,1.8W,AA,TP1.8x3.2mm
R256	2001-000736	R-CARBON	47Kohm,5%,1.8W,AA,TP1.8x3.2mm
R257	2001-000736	R-CARBON	47Kohm,5%,1.8W,AA,TP1.8x3.2mm
R258	2001-000736	R-CARBON	47Kohm,5%,1.8W,AA,TP1.8x3.2mm
R259	2001-000736	R-CARBON	47Kohm,5%,1.8W,AA,TP1.8x3.2mm
R260	2001-000736	R-CARBON	47Kohm,5%,1.8W,AA,TP1.8x3.2mm
C645	3401-001893	C-AL	100uF,20%,16V,GP67.5MM,TP

**AH92-01072E ASSY MIC PCB 0001-00M50-02 RCDM50/55**

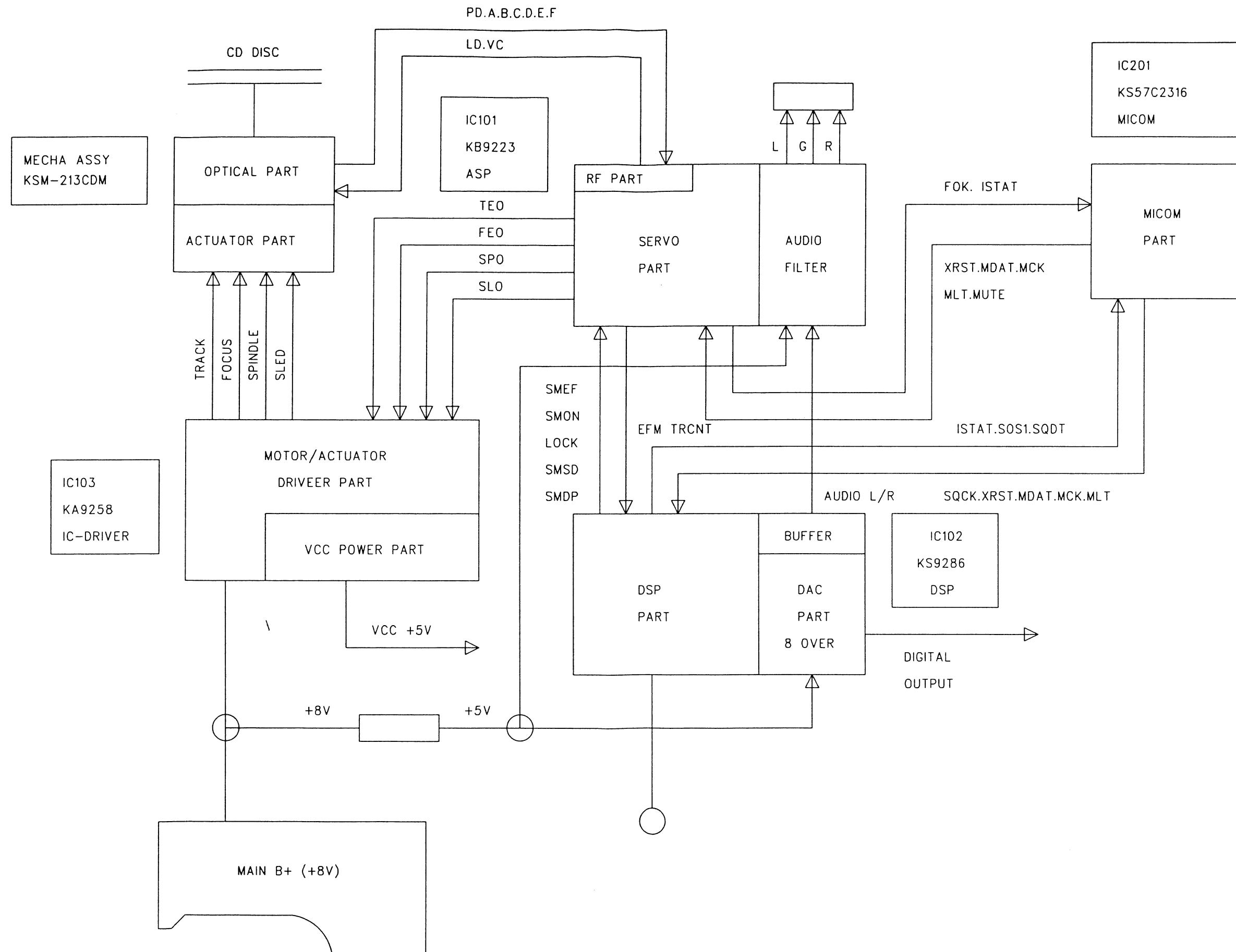
HP1	AH81-00384J	JACK-PHONE,H.P	0322-10147-01.EJS-3-0735G.3.5M
J801	AH81-00446E	JACK-PHONE	0322-10158-00.EJS-3-0435,...
R3	2001-000429	R-CARBON	1Kohm,5%,1.8W,AA,TP1.8x2.2mm
R6	2001-000429	R-CARBON	1Kohm,5%,1.8W,AA,TP1.8x3.2mm
R11	2001-000449	R-CARBON	2.2Kohm,5%,1.8W,AA,TP1.8x3.2mm
R14	2001-000449	R-CARBON	2.2Kohm,5%,1.8W,AA,TP1.8x3.2mm
R9	2001-000449	R-CARBON	2.2Kohm,5%,1.8W,AA,TP1.8x3.2mm
R1	2001-000515	R-CARBON	220ohm,5%,1.8W,AA,TP1.8x3.2mm
R2	2001-000515	R-CARBON	220ohm,5%,1.8W,AA,TP1.8x3.2mm
R13	2001-000522	R-CARBON	22Kohm,5%,1.8W,AA,TP1.8x3.2mm
R16	2001-000522	R-CARBON	22Kohm,5%,1.8W,AA,TP1.8x3.2mm
R4	2001-000656	R-CARBON	330ohm,5%,1.8W,AA,TP1.8x3.2mm
R5	2001-000666	R-CARBON	330ohm,5%,1.8W,AA,TP1.8x3.2mm
R10	2001-000773	R-CARBON	470Kohm,5%,1.8W,AA,TP1.8x3.2mm
R15	2001-000773	R-CARBON	470Kohm,5%,1.8W,AA,TP1.8x3.2mm
R5	2001-000773	R-CARBON	470Kohm,5%,1.8W,AA,TP1.8x3.2mm
R7	2001-000995	R-CARBON	820ohm,5%,1.8W,AA,TP1.8x3.2mm
R8	2001-000995	R-CARBON	820ohm,5%,1.8W,AA,TP1.8x3.2mm
C2	2001-000300	C-CERAMIC,DISC	1nF,20%,50V,YST,4x4mm,5mm,TP
C7	2001-000300	C-CERAMIC,DISC	1nF,20%,50V,YST,4x4mm,5mm,TP
C9	2001-000300	C-CERAMIC,DISC	1nF,20%,50V,YST,4x4mm,5mm,TP
C6	2001-000381	C-CERAMIC,DISC	22nF,+80%,20%,50V,Y5V,8.0*4
C1	2001-000565	C-CERAMIC,DISC	47nF,+80%,20%,50V,Y5V,12.5*4
C3	2201-000783	C-CERAMIC,DISC	100nF,+80%,20%,50V,Y5V,5mm
C5	2201-000783	C-CERAMIC,DISC	100nF,+80%,20%,50V,Y5V,5mm
C8	2201-000783	C-CERAMIC,DISC	100nF,+80%,20%,50V,Y5V,5mm
C4	2401-001364	C-AL	470uF,20%,16V,GP10x12.5,5MM,T
L1	2701-000111	INDUCTOR-AXIAL	100uH,10%,2.5x3.4,LAL027B101K
L2	2701-000111	INDUCTOR-AXIAL	100uH,10%,2.5x3.4,LAL027B101K
L3	3001-000325	CORE-FERRITE BEAD	AB.3.2x2.5x1.3mm,...
L4	3001-000325	CORE-FERRITE BEAD	AB.3.2x2.5x1.3mm,...
AH92-01072F	ASSY BATTERY	0002-CDM30-07 RCDM50/55 MAIN	

## 5. Block Diagram

### 5-1 Main

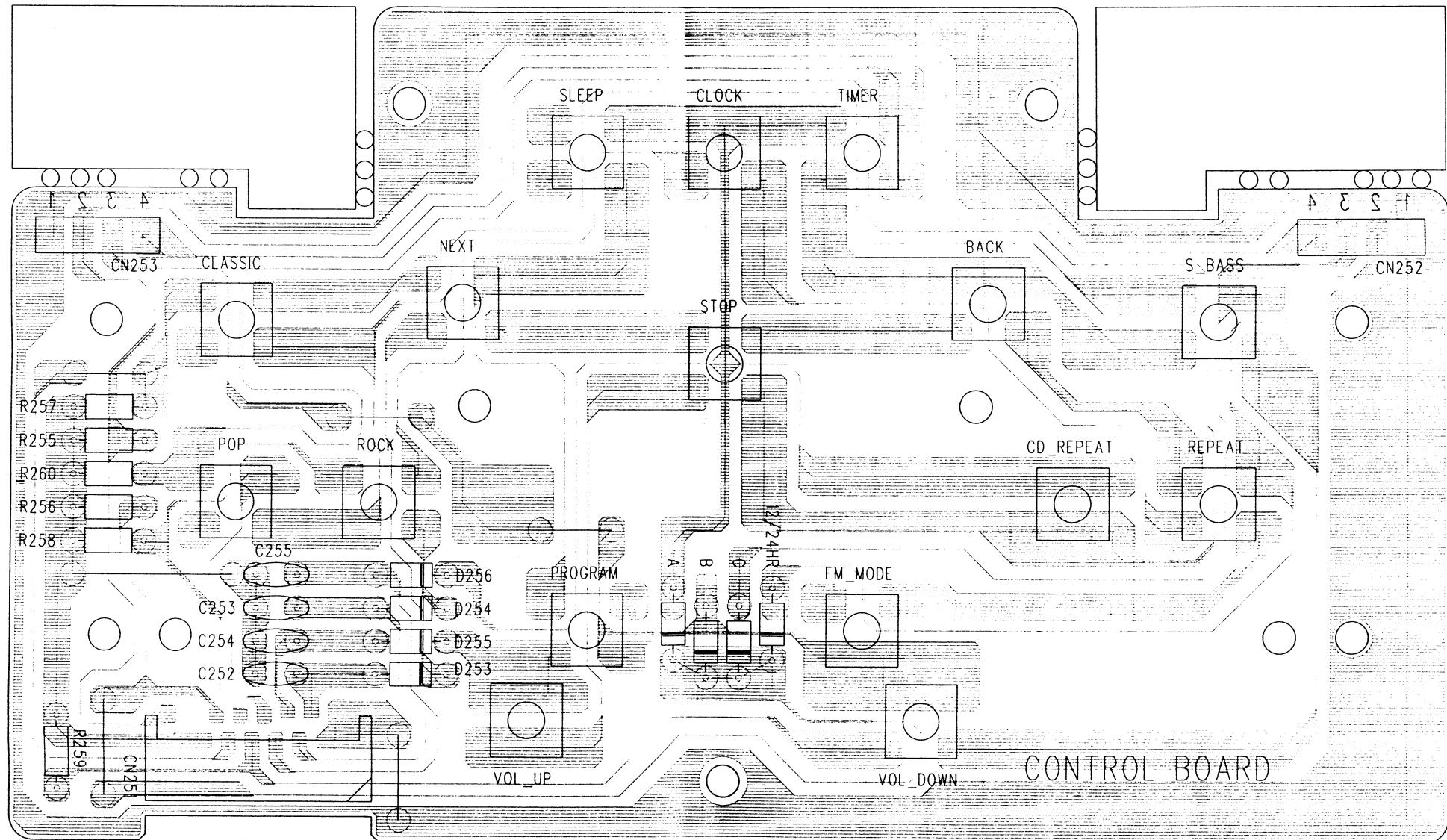


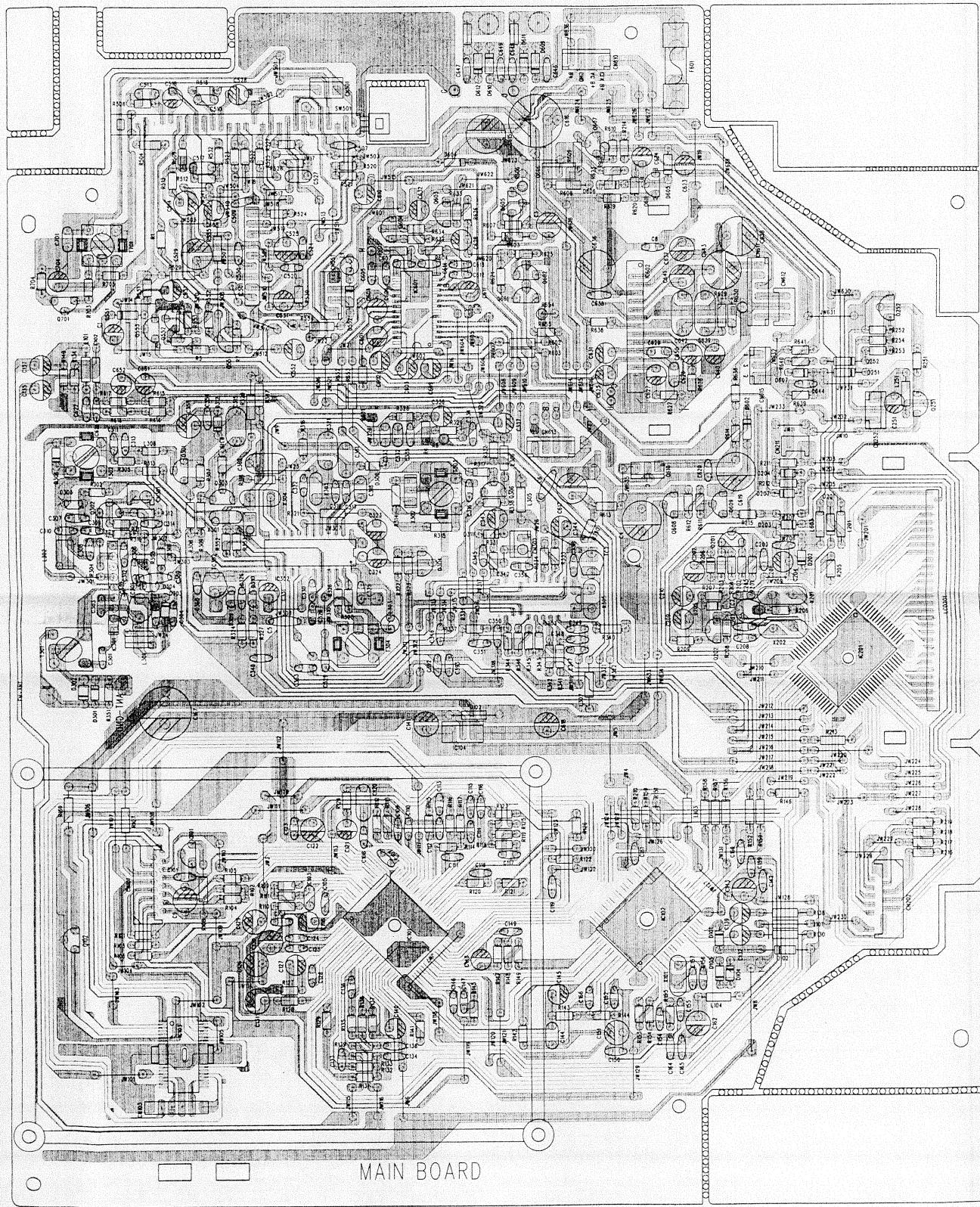
## 5-2 CD Part



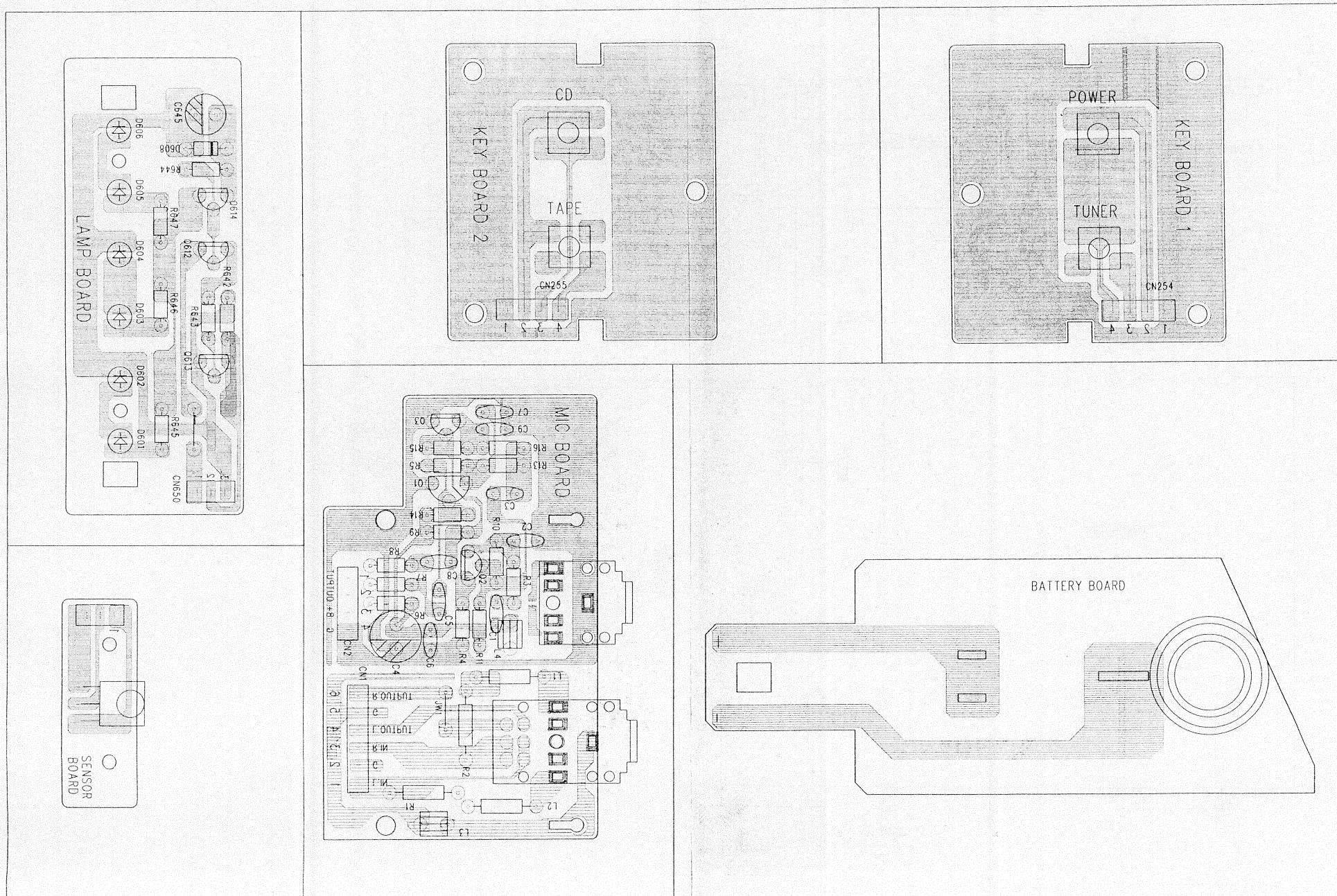
## 6. Printed Circuit Board Diagram

### 6-1. CONTROL PCB

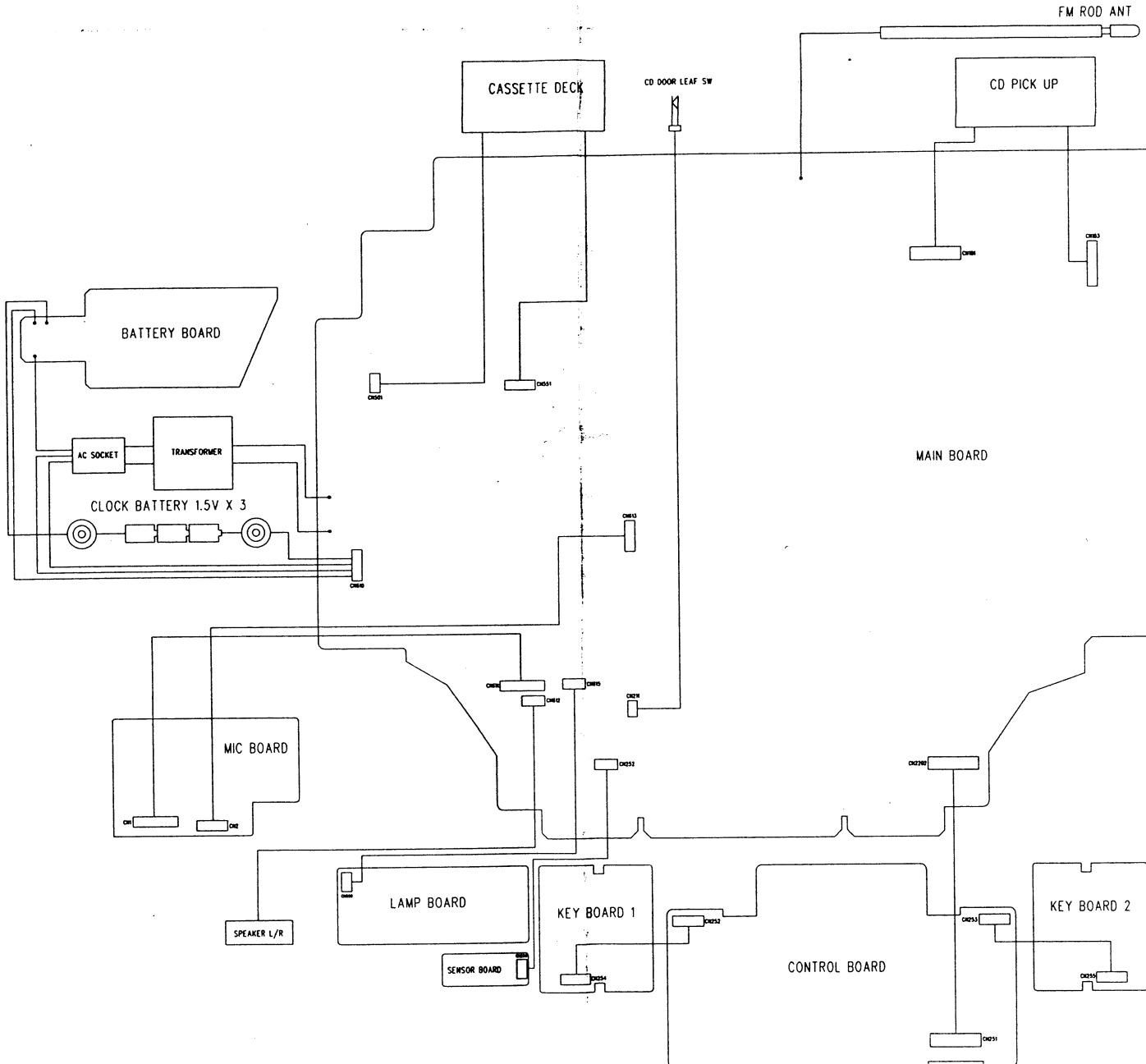




### 6-3. SUB PCB

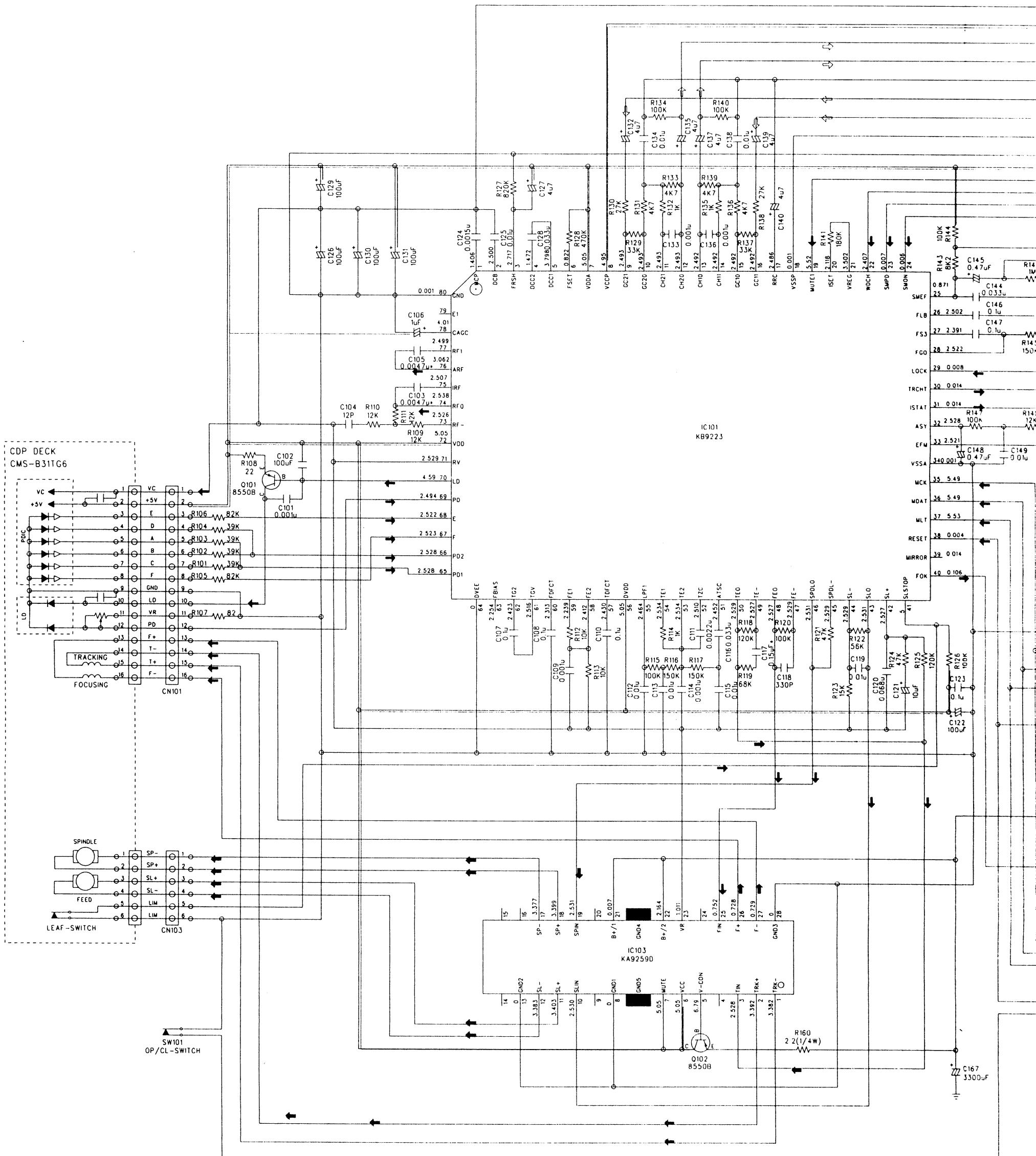


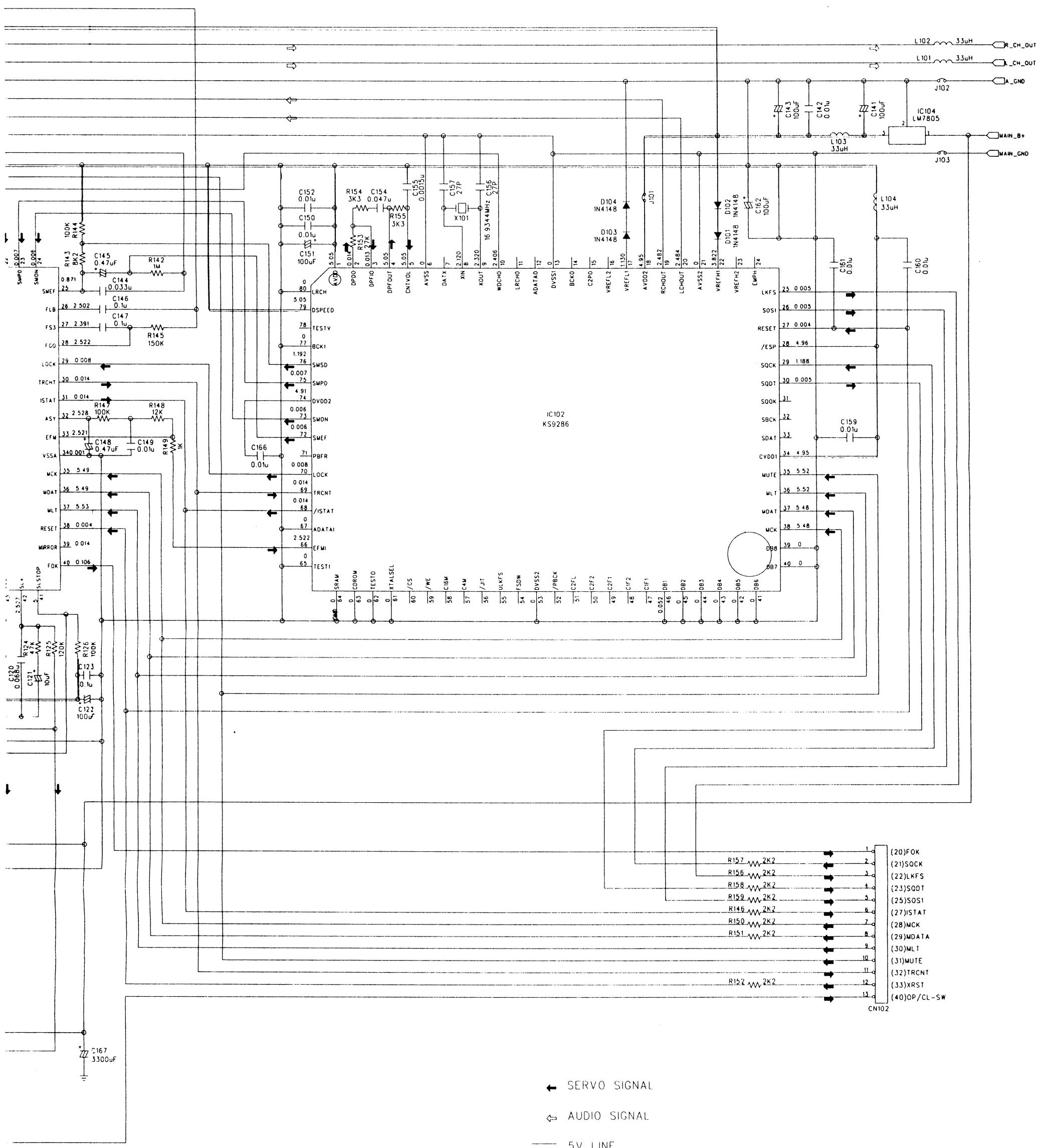
## 7. Wiring Diagram



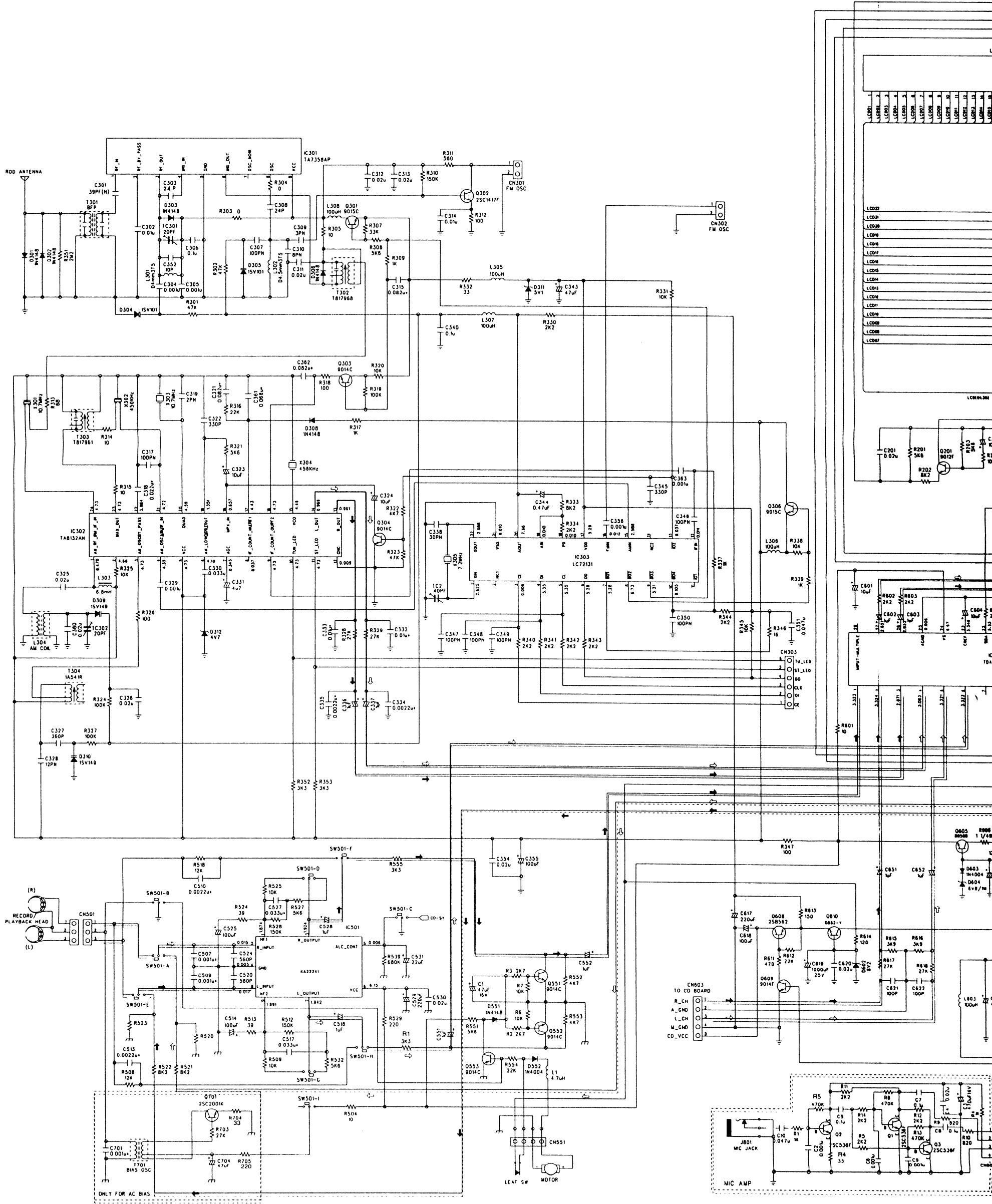
## 8. Schematic Diagram

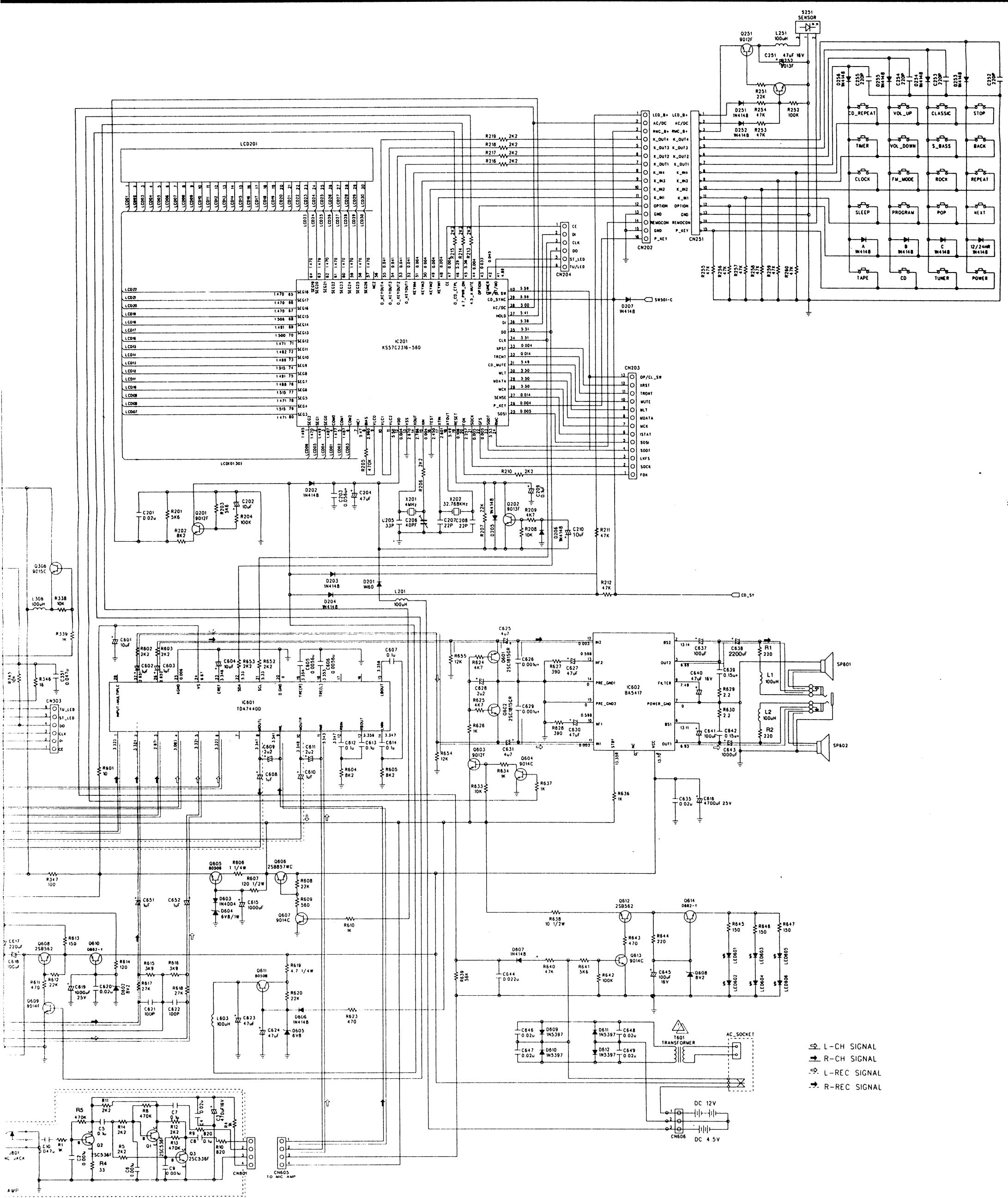
## 8-1 CD Part





## 8-2 MAIN Part





↪ L-CH SIGNAL  
 ↪ R-CH SIGNAL  
 ↪ L-REC SIGNAL  
 ↪ R-REC SIGNAL